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FAILURE PROBABILITY DISTRIBUTION FOR THE TOP EVENT OF A FAULT TREE

Report No. 89-300-K

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ABSTRACT

A Monte Carlo simulation package was developed for the Quality Engineering Department to determine the failure probability distribution for the top event of a fault tree. The package allows the user to sample failure probability parameters from any of six distribution functions, and use these parameters to determine the failure probability for the top event. The results of the simulations will be summarized in the form of a percentile table. Due to its size, the user's guide for the simulation package is available as a separate document from this report.

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To Mr. R. Jeppesen
Manager
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FAILURE PROBABILITY DISTRIBUTION FOR THE TOP EVENT OF A FAULT TREE

To investigate the effect of using different distribution functions for failure probability parameters in the analysis of a fault tree, a Monte Carlo simulation package was developed by the Reliability and Statistics Section of the Operations Research Department to determine the failure probability distribution for the top event of the fault tree.

The simulation package was developed using the FORTRAN language, and implemented on the CDC Cyber 930 mini-computer. The package allows the user to sample values for failure probability parameters from any of six distribution functions; and the number of simulations which may be performed can be any integer multiple of 100, with no upper limit.

The User's Guide for the simulation package is available as a separate document, and it explains how to use the package, describes the design features of the package, and includes a sample run. To obtain a copy of the User's Guide, please contact the Research Division Records Clerk at 0+405+6772.

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FAILURE PROBABILITY DISTRIBUTION
FOR THE TOP EVENT
OF A FAULT TREE

User's Guide

89-300-K

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1. Introduction

To investigate the effect of using different probability distributions for failure probability parameters in the analysis of a fault tree, a Monte Carlo simulation package was developed to determine the failure probability distribution for the top event of the fault tree.

The failure probability for an event in the fault tree may be calculated using one of the five formulas described in the Ontario Hydro Research Division report titled "***Calculation of the k-factors for the failure probabilities***" by A. Chan and R. Sue (report no. 87-326-K). In addition to these formulas, the event may also be assigned a pure probability value. Altogether, these formulas contain ten different failure probability parameters; the pure probability value was treated as one failure probability parameter. These parameters were :

P	Pure failure probability
FD	Dormant failure rate (#/1000 yrs)
TI	Test interval (days)
TR	Repair time (hrs)
TT	Test duration (hrs)
FR	Running failure rate (#/1000 yrs)
TM	Mission time (hrs)
FM	Frequency of occurrence (#/yr)
TE	Average duration of event (hrs)
Z	Dormancy factor.

This software package allows the user to sample these failure probability parameters from any one of six distribution functions, and simulate the failure probability for the top event of the fault tree using these sampled parameters. The number of simulations may be any integer multiple of 100, and the failure probability distribution for the top event will be summarized in a percentile table.

The distribution functions from which the failure probability parameters may be sampled are :

- Log-Normal Distribution
- Normal Distribution
- Uniform Distribution
- Beta Distribution
- Exponential Distribution
- Fixed Value.

2. Fault Tree Approximations

The simulation package requires, as input, an equation which is used to calculate the failure probability of the top event of the fault tree. This equation is obtained through prior processing of the fault tree. This preprocessing stage involves determination of the minimal cut sets of the fault tree. These minimal cut sets are then combined into a minimal cut set equation.

However, due to the size and complexity of the fault tree, approximations are made in the preprocessing stage which results in a truncated minimal cut set equation; minimal cut sets with probability less than 10^{-8} are truncated. ***It is this equation which is used by the simulation package***. When performing the simulations and analyzing its results, care must be exercised to ensure that the assumptions made while obtaining the truncated minimal cut set equation are not violated during the simulation.

Also, for the log-normal distribution function and the normal distribution function, which have no upper bound, if a large number of simulations are to be performed, there is a possibility that sampled values may be large enough to cause some module events to have a failure probability larger than one. Should this occur, the current simulation will be discarded, and the simulation repeated until all failure probabilities have acceptable values.

For a more accurate simulation of the failure probability for the top event of a fault tree, the actual fault tree must be simulated.

3. Getting Started

This section discusses the operation of the simulation package on the CDC Cyber 930 mini-computer. The user is assumed to be familiar with the operations of the computer, its logon procedures, its command language, and the NOS/VE FORTRAN complier.

3.1 Data Files

The diagram in figure 1 shows the external files used by the simulation program. A brief description of each file follows; and a detailed description of the contents and format of each file may be found in the Technical Documentation section.

Primary Event Master File — This file contains information, for each primary event, which specifies the failure probability formula for the event, and the distribution functions from which to sample its failure probability parameters. Due to the large record length, the primary event master file has been divided into two input files for processing.

Cut Set Equation — This files contains the minimal cut set equation which determines the failure probability of the top event of the fault tree.

Module Equations — This file contains equations which determine the failure probability of module events in the cut set equation. This file is needed only if there are module events in the minimal cut set equation.

Percentile Table — This file contains the percentile table for the probability distribution of the top event of the fault tree.

Error Messages File — This file contains any error messages or warnings which may occur during the execution of the simulations.

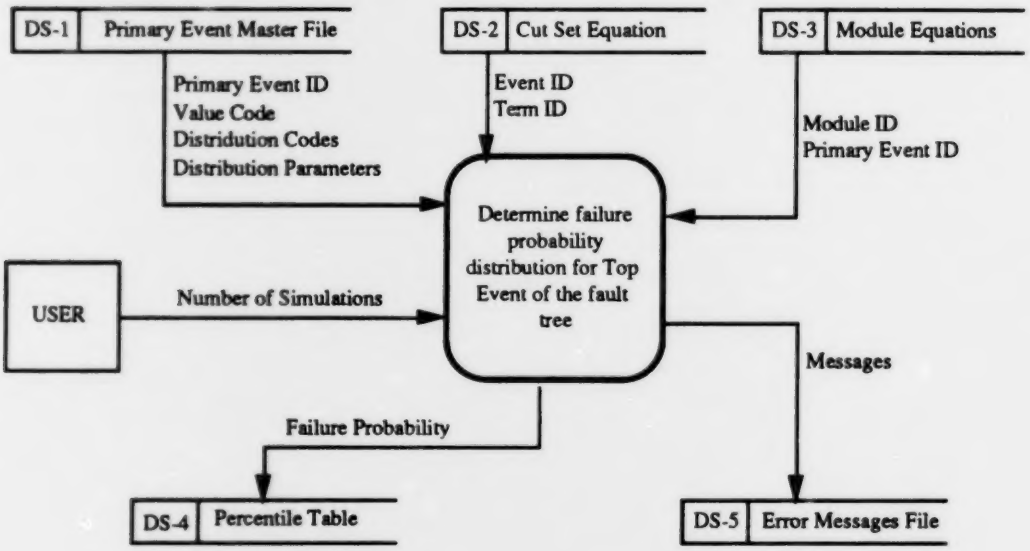


Figure 1: Context Diagram

3.2 Program Files

Filename	Description
PEDAT_PRG	Converts a 'DA' or 'AR' file into a file containing a list of primary events.
PEINTRM	Creates an intermediate primary event file from the list of primary events. This intermediate file will contain global initial values for the distribution parameters for applicable failure probability parameters for all primary events in the list. The intermediate file may be further modified by the user to customize the distribution parameter values for each primary event.
MAKETBLS	Creates the two-part primary event master file from the intermediate primary event file. These two parts of the primary event master file would serve as inputs to the simulation program.
MAKEMCS	Creates a single-column format cut set equation file from the original cut-set file which has a multiple-column format. This single-column file becomes an input to the simulation program. **Note:** The original cut set equation file must be edited to remove page headings, blank lines, the listing of the term probabilities, and the sum of the term probabilities. Only the section of the file containing the event ID's, the number of occurrences, and the terms where the event occurs, forms the actual cut set equation.
MAKEMOD	Creates a single-column format module equation file from the original module equation file which has a multiple-column format. This single-column file becomes an input to the simulation program.
PROBDIST	The simulation program which will determine the failure probability distribution for the top event of a fault tree.

3.3 Creating Executable Modules

To execute any of the programs listed in the Program Files section, the program must be converted into an executable module. The executable modules were obtained by compiling the program files using the following commands:

```
BO PEDAT_PRG PEDAT_ABS PEDAT_OUT

BO PEINTRM PEINTRM_ABS PEINTRM_OUT

BO MAKETBLS MAKETBLS_ABS MAKETBLS_OUT

BO MAKEMCS MAKEMCS_ABS MAKEMCS_OUT

BO MAKEMOD MAKEMOD_ABS MAKEMOD_OUT

BO PROBDIST PROBDIST_ABS PROBDIST_OUT
```

The executable modules are the files with the _ABS extension. The files with the _OUT extension contain the compiled listing of the source program.

Before executing any of these modules, be sure to add them to the command library (if they are not already in the command library) by submitting the following commands:

```
SETCL A=PEDAT_ABS

SETCL A=PEINTRM_ABS

SETCL A=MAKETBLS_ABS

SETCL A=MAKEMCS_ABS

SETCL A=MAKEMOD_ABS

SETCL A=PROBDIST_ABS
```

3.4 Preparing the Primary Event Master File

Note: In the following description, all the data files are assumed to be in the same working catalog, and the executable modules have been added to the command library. The commands are executed from the same working catalog as the data files.

- **First**, the list of primary events must be extracted from the archive ('AR') or the 'DA' file. The following command will extract the list from the DA file named CL3_DA.

```
PEDAT $INPUT CL3_DA TAPE7 TAPE8 CL3_PETBL
```

  Here, TAPE7 and TAPE8 are work files, while CL3_PETBL will contain the extracted list of primary events.

- A question mark prompt (?) will appear. If the primary event list is being extracted from a 'DA' file, then enter DA. If the primary event list is being extracted from an archive file, then enter AR. In this example, we are extracting from a 'DA' file, therefore, enter:

```
DA
```

- When the slash prompt (/) returns, the program has ended and the primary event list will be in CL3_PETBL. Each record will contain the event ID, the event probability, and the values of the failure probability parameters used to calculate the event probability.

- **Second**, the intermediate primary event file must be created. This file will contain global initial values for the distribution parameters for each failure probability parameter associated with each primary event in the list. The following command will execute the program:

```
PEINTRM $INPUT $OUTPUT CL3_PETBL CL3_INTRM
```

  Here, $INPUT represents the keyboard, and $OUTPUT represents the terminal. CL3_INTRM will be the intermediate primary event file.

- The user will be prompted for the following data:

```
Please select one of the following options:

   1.   SIMPLE OPTION: all parameters have log-normal
                       distribution, and a specified global k-factor.

   2.   DETAILED OPTION: all parameters will initially
                          be set as constants.

In both cases, the user may then modify the intermediate file, as desired.
Enter 1 or 2:
?
```

- Enter 1 to select the simple option.

- For this option, the user will be prompted to specify a global k-factor:

```
Please specify a global k-factor:
?
```

- For this example, enter 10.

- When the slash prompt (/) returns, the program has ended and the intermediate primary event file CL3_INTRM would be created. The failure probability parameters for all the primary events will be specified as having a log-normal distribution, with the values of the failure probability parameters in the list of primary events being taken as the median values, and having a global k-factor of 10.

- **Third**, the user may now modify the values in CL3_INTRM to customize the distribution parameters for individual failure probability parameters for each event. For this example, there will be no further modifications.

- **Finally**, the intermediate file will be reformatted into a two-part primary event master file:

```
MAKETBLS CL3_INTRM CL3_PE1 CL3_PE2
```

  Here, CL3_PE1 is the first part of the final primary event master file, and CL3_PE2 is the second part of the final primary event master file.

- When the slash prompt (/) returns, the program has ended and the files CL3_PE1 and CL3_PE2 have been created. The primary event master file is now ready for the simulation program.

3.5 Preparing the Cut Set Equation File

Note: In the following description, all the data files are assumed to be in the same working catalog, and the executable modules have been added to the command library. The commands are executed from the same working catalog as the data files.

- The cut set equation (in multiple-column format) is obtained from a file which contains, in addition to the cut set equation, page headings, blank lines, a listing of the term probabilities for the cut set equation, and the sum of the term probabilities. This file must be edited to remove all the page headings, the blank lines, the listing of term probabilities, and the sum of the term probabilities. Only the section of the file containing the event ID's, the number of occurrences, and the terms where the event occurs, should remain; this is the cut set equation in multiple-column format. Any file editor may be used to perform this operation. For this example, the original file will be CL3_SOLUTION, and the edited file containing just the multiple-column cut set equation will be CL3MCS_IN1.

- The multiple-column cut set equation must next be converted into a single-column format. The following command will execute the program which will perform this conversion:

```
MAKEMCS  CL3MCS_IN1  CL3MCS_DAT
```

  The file CL3MCS_IN1 contains the multiple-column cut set equation, and file CL3MCS_DAT will contain the single-column cut set equation.

- When the slash prompt (/) returns, the program has ended and the file CL3MCS_DAT would be created. The cut set equation file is now ready for the simulation program.

3.6 Preparing the Module Equation File

Note: In the following description, all the data files are assumed to be in the same working catalog, and the executable modules have been added to the command library. The commands are executed from the same working catalog as the data files.

- The module equation initially exists in a multiple-column format. In order for the module equation to be used in the simulation program, it must be converted into a single-column format. The following command will execute the program which will perform this conversion:

  ```
  MAKEMOD  CL3_EQ  CL3MOD_DAT
  ```

  The file CL3_EQ contains the multiple-column module equation, and file CL3MOD_DAT will contain the single-column module equation.

- When the slash prompt (/) returns, the program has ended and the file CL3MOD_DAT would be created. The module file is now ready for the simulation program.

3.7 Running the Simulation Program

Before running the simulation program, the primary event table, cut set equation, and module equations must be ready for processing. The module equations are only needed if there are module events in the cut set equation.

- To start the program, enter the following command from the working catalog which contains the executable code module for the package:

```
PROBDIST $INPUT $OUTPUT     (return)
```

  $INPUT and $OUTPUT represent the keyboard and terminal, respectively.

- The program will begin execution. The user will then be prompted for the following data :

```
Filename for the Primary Event Table - Part 1
```

  Enter the filename for the first part of the primary event table using single quotes around the filename, for example:

```
'CL3_PE1'     (return).
```

  If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for Primary Event Table -
```

- If the filename was correctly specified, the following will appear :

```
Filename for the Primary Event Table - Part 2
```

  Enter the filename for the second part of the primary event table using single quotes around the filename, for example:

```
'CL3_PE2'     (return).
```

  If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for Primary Event Table -
```

- If the filename was correctly specified, the following will appear :

```
Filename for the Cut Set Equation file -
```

Enter the filename for the cut set equation file using single quotes around the filename, for example:

```
'CL3MCS_DAT'
```
(return).

If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for the Cut Set Equation file -
```

- If the filename was correctly specified, the following will appear :

```
Is there a Module Equation file for this Equation ? (Y/N) -
```

If the cut set equation contains module events, then there must be a module equation file. Therefore, reply with :

```
'Y'
```
(return).

If the cut set equation does not contain module events, then reply with :

```
'N'
```
(return).

Any character other than Y, y, N,or n will not be accepted, and the user will be prompted to enter another reply :

```
Invalid entry. Please retry ...
Is there a Module Equation file for this Cut Set ? (Y/N) -
```

- If the entry was 'Y', the user will be asked to specify the file name for the module equation file :

```
Filename for the Module Equation file -
```

Enter the filename for the module equation file using single quotes around the filename, for example:

```
'CL3MOD_DAT'
```
(return).

If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for the Module Equation file -
```

- If the filename was correctly specified, or no module equation file was needed for the cut set equation, then the following will appear :

```
How many simulations to perform ?
(must be an integer multiple of 100; min=100) -
```

The user must specify how many simulations of the top event probability are to be performed. The value must be an integer multiple of 100, and may not be less than 100. For example:

```
700     (return)
```

If the entered value was not an integer multiple of 100, or was less than 100, the user will be prompted to reenter the value :

```
Invalid number of simulations... please reenter.

How many simulations to perform ?
(must be an integer multiple of 100; min=100) -
```

If there were invalid characters in the entry, the user will be prompted to reenter the value :

```
Invalid value. Please retry ...

How many simulations to perform ?
(must be an integer multiple of 100; min=100) -
```

- If the entry was accepted, the following will appear :

```
Filename for the output data -
```

Enter the filename for the percentile table using single quotes around the filename, for example:

```
'CL3_SIMOUT' (return).
```

If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for the output data -
```

- If the filename was correctly specified, the program will continue execution, and may display runtime messages as the program executes. At the end of each simulation, the value of the top event probability will be displayed on the terminal, as follows:

```
Simulation:    1, Probability =  2.33814E-02
```

After all the simulations have been completed, the program will sort the list of top event probabilities and produce a percentile table as the final step in the process.

3.8 Messages

During the execution of the simulation package, messages may be generated by the program. These messages are displayed on the terminal, and are also written to an error file with the name ERRORS. Following is a list of all the messages produced by the program, a description of the message, and suggestions for corrective actions.

***** ERROR! *** Module <*module ID*> not found in Module Equations File.**

The module <*module ID*> could not be found in the module equations file.

Corrective actions: Make sure the correct module equations file is being used. Verify the correctness of the module ID. If the ID is correct, then add the module equation to the module equations file.

***** ERROR! *** Module <*module ID*>: Failure probability greater than one ... repeating simulation.**

The module <*module ID*> had a failure probability greater than one. The program will repeat the simulation.

Corrective actions: None.

***** ERROR! *** Event <*event ID*> not found in Primary Event Table.**

The event <*event ID*> could not be found in the primary event table file.

Corrective actions: Make sure the correct primary event table file is being used. Verify the correctness of the event ID. If the ID is correct, then add the primary event record to the primary event table file.

***** ERROR (smplfxd) *** Improper distribution parameters for primary event: <*event ID*>**

Module SMPLFXD encountered a data error while sampling. One set of distribution parameters were improperly specified for one of the failure probability parameters associated with event <*event ID*> .

Corrective actions: Locate the record for <*event ID*> in the primary event table file, and check the distribution parameters for failure probability parameters which were sepcified as having a fixed value.

***** ERROR (smplbeta) *** Improper distribution parameters for primary event: <*event ID*>**

Module SMPLBETA encountered a data error while sampling from the beta distribution function. One set of distribution parameters were improperly specified for one of the failure probability parameters associated with event <*event ID*> .

Corrective actions: Locate the record for <*event ID*> in the primary event table file, and check the distribution parameters for failure probability parameters which were sampled from the beta distribution function.

***** ERROR (smplexp) *** Improper distribution parameters for primary event: <*event ID*>**

Module SMPLEXP encountered a data error while sampling from the exponential distribution function. One set of distribution parameters were improperly specified for one of the failure probability parameters associated with the primary event <*event ID*> .

Corrective actions: Locate the record for <*event ID*> in the primary event table file, and check the distribution parameters for failure probability parameters which were sampled from the exponential distribution function.

***** ERROR (smpllnrm) *** Improper distribution parameters for primary event: <*event ID*>**

Module SMPLLNRM encountered a data error while sampling from the log-normal distribution function. One set of distribution parameters were improperly specified for one of the failure probability parameters associated with the primary event <*event ID*> .

Corrective actions: Locate the record for <*event ID*> in the primary event table file, and check the distribution parameters for failure probability parameters which were sampled from the log-normal distribution function.

***** ERROR (smplnorm) *** Improper distribution parameters for primary event: <*event ID*>**

Module SMPLNORM encountered a data error while sampling from the normal distribution function. One set of distribution parameters were improperly specified for one of the failure probability parameters associated with the primary event <*event ID*> .

Corrective actions: Locate the record for <*event ID*> in the primary event table file, and check the distribution parameters for failure probability parameters which were sampled from the normal distribution function.

***** ERROR (smpluni) *** Improper distribution parameters for primary event: <*event ID*>**

Module SMPLUNI encountered a data error while sampling from the uniform distribution function. One set of distribution parameters were improperly specified for one of the failure probability parameters associated with the primary event <*event ID*> .

Corrective actions: Locate the record for <*event ID*> in the primary event table file, and check the distribution parameters for failure probability parameters which were sampled from the uniform distribution function.

***** WARNING *** Zero mean was specified for primary event: <*event ID*>**
Value of zero was used for the sample.

A zero mean was specified in one set of distribution parameters for one of the failure probability parameters associated with the primary event <*event ID*>. A value of zero was used for the sampled value.

Corrective actions: None.

***** WARNING *** Zero median was specified for primary event: <*event ID*>**
Value of zero was used for the sample.

A zero median was specified in one set of distribution parameters for one of the failure probability parameters associated with the primary event <*event ID*>. A value of zero was used for the sampled value.

Corrective actions: None.

***** WARNING *** Zero mean and zero std. dev. were specified for primary event: <*event ID*>**
Value of zero was used for the sample.

A zero mean and zero std. dev. were specified in one set of distribution parameters for one of the failure probability parameters associated with the primary event <*event ID*>. A value of zero was used for the sampled value.

Corrective actions: None.

***** WARNING *** Positive (non-zero) mean and zero std. dev. were specified for primary event: <*event ID*>**
Value of the mean was used for the sample.

A positive (non-zero) mean and a zero std. dev. were specified in one set of distribution parameters for one of the failure probability parameters associated with the primary event <*event ID*>. The value of the mean was used for the sampled value.

Corrective actions: None.

Event: <*event ID*>, Pure probability sample was greater than 1

When sampling for a pure probability, a value greater than 1 was sampled.

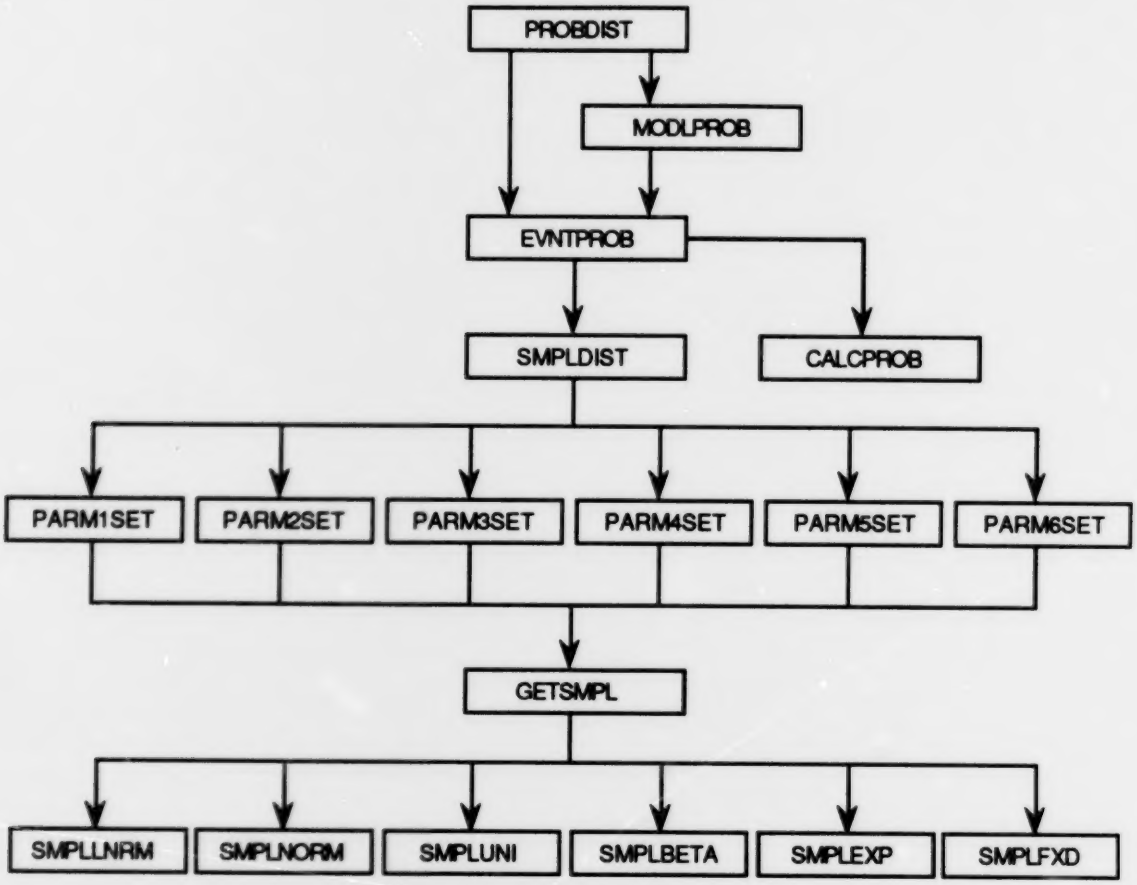
Corrective actions: None. The module will discard the sample and obtain another one. A total count of the number of samples which were discarded will be written to the errors file, and displayed on the terminal, at the end of each simulation, if the count is greater than zero.

4. Technical Documentation

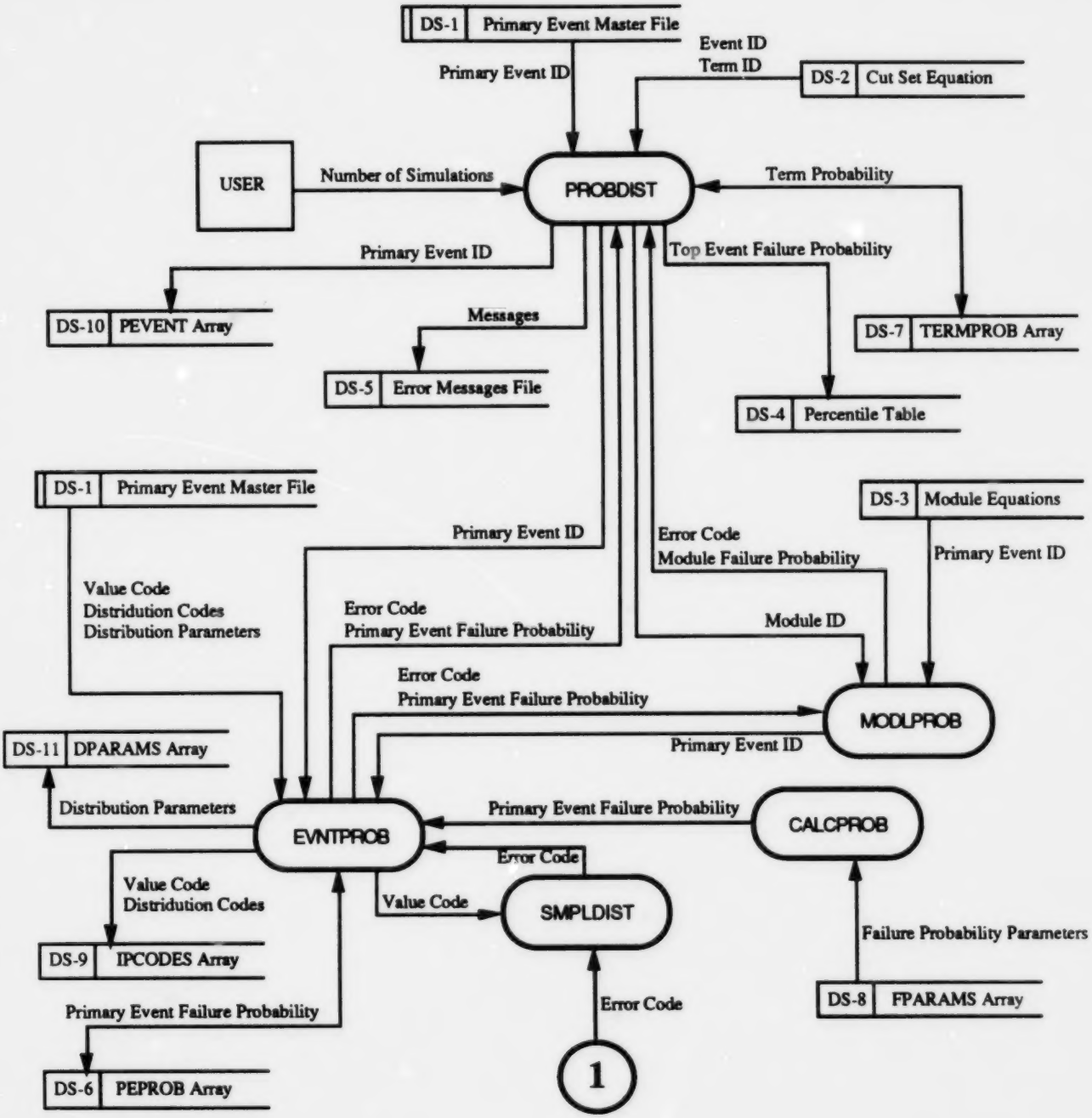
This section contains information on the structure and design of the simulation package. Standard software engineering terminology and diagraming techniques were employed to produce the documentation.

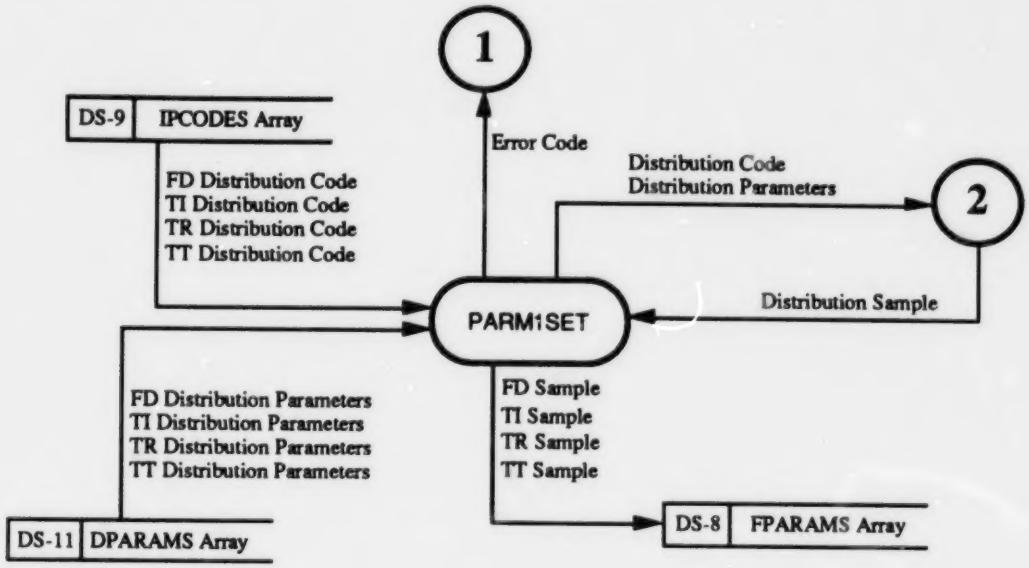
4.1 Structure Chart

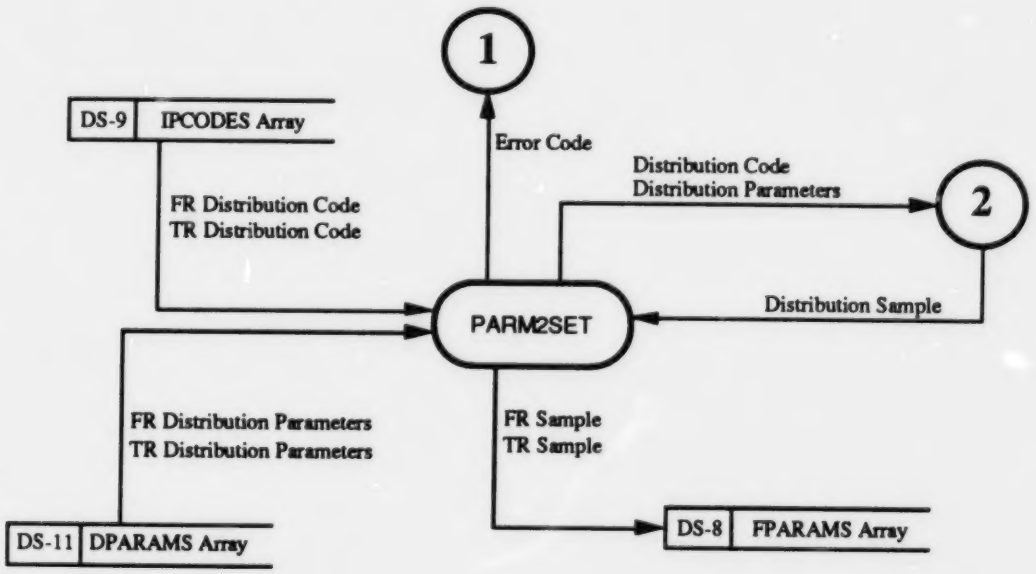
The structure chart below shows the calling hierarchy for all the modules which make up the simulation package.

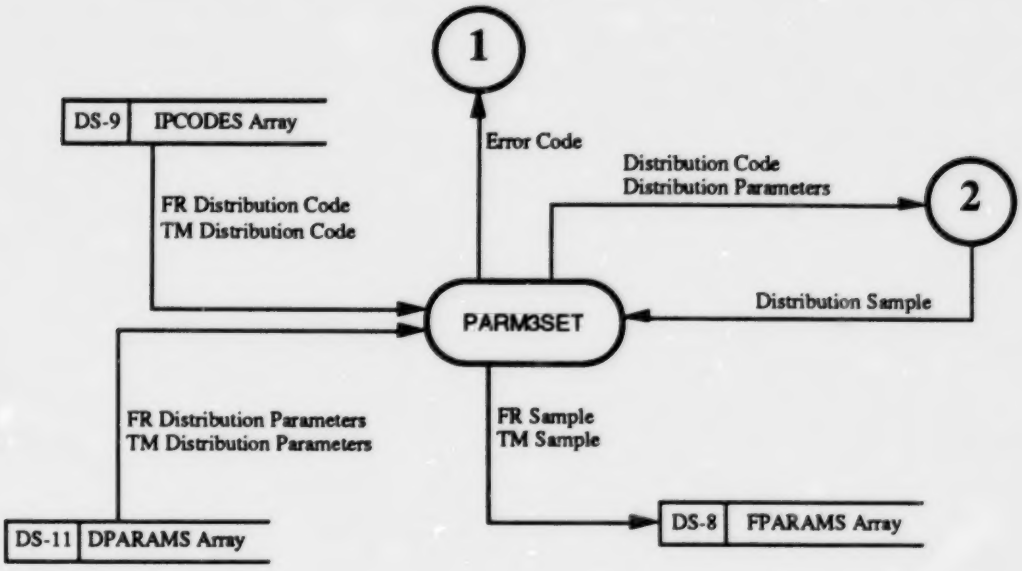


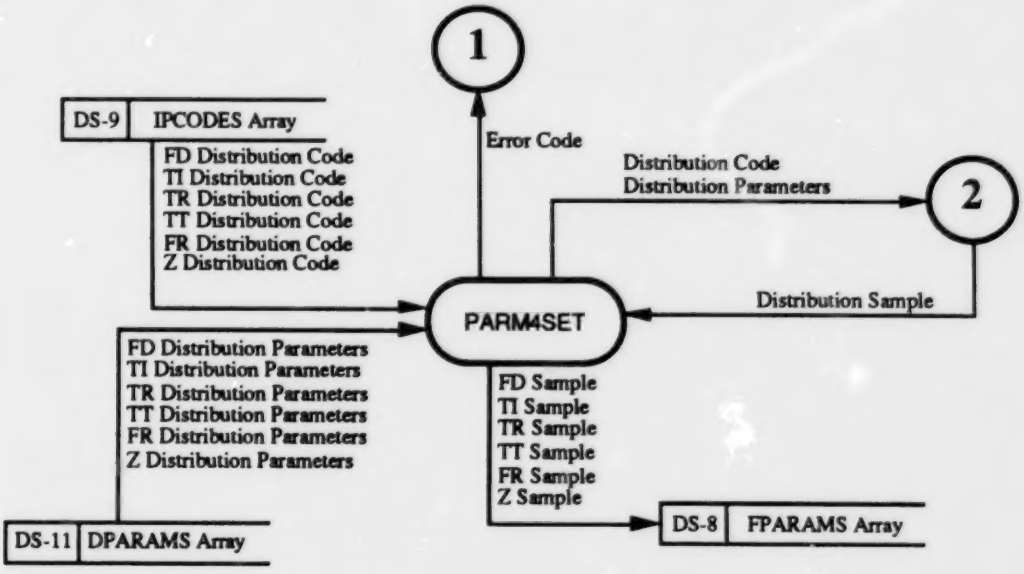
4.2 Data Flow Diagrams

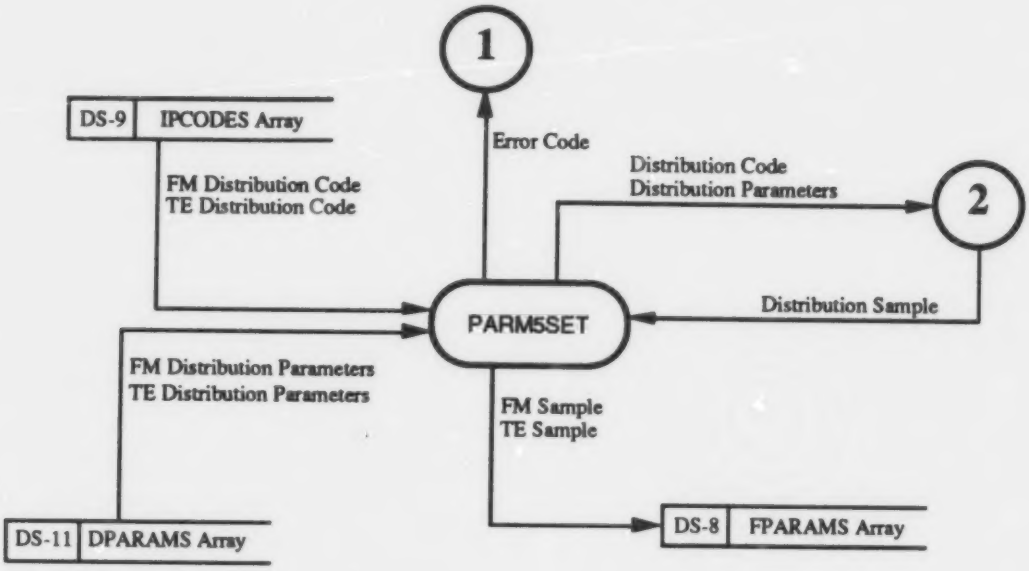


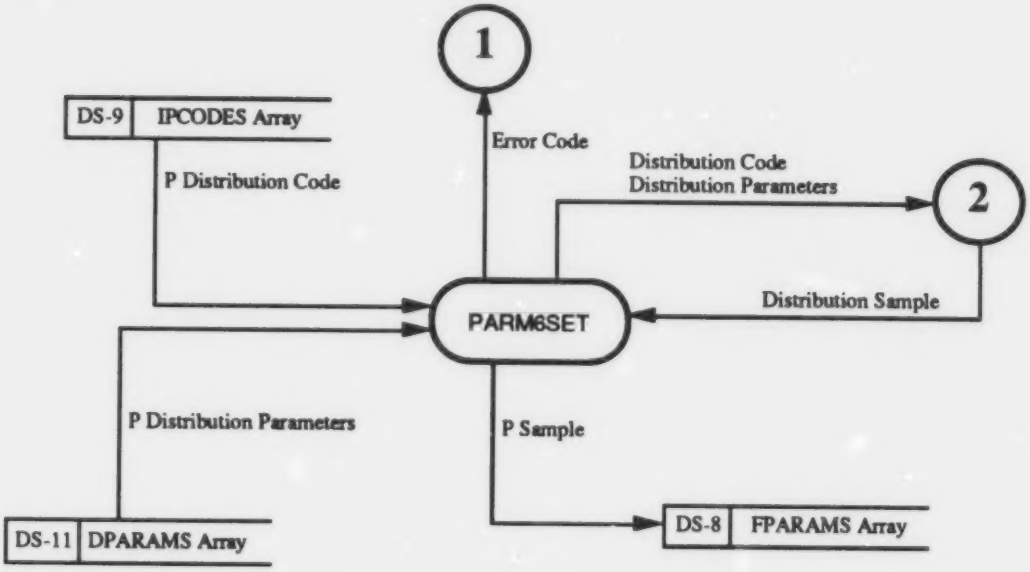

1
DS-9
IPCODES Array
Error Code
Distribution Code
Distribution Parameters
2
FD Distribution Code
TI Distribution Code
TR Distribution Code
TT Distribution Code
PARM1SET
Distribution Sample
FD Distribution Parameters
TI Distribution Parameters
TR Distribution Parameters
TT Distribution Parameters
FD Sample
TI Sample
TR Sample
TT Sample
DS-11
DPARAMS Array
DS-8
FPARAMS Array

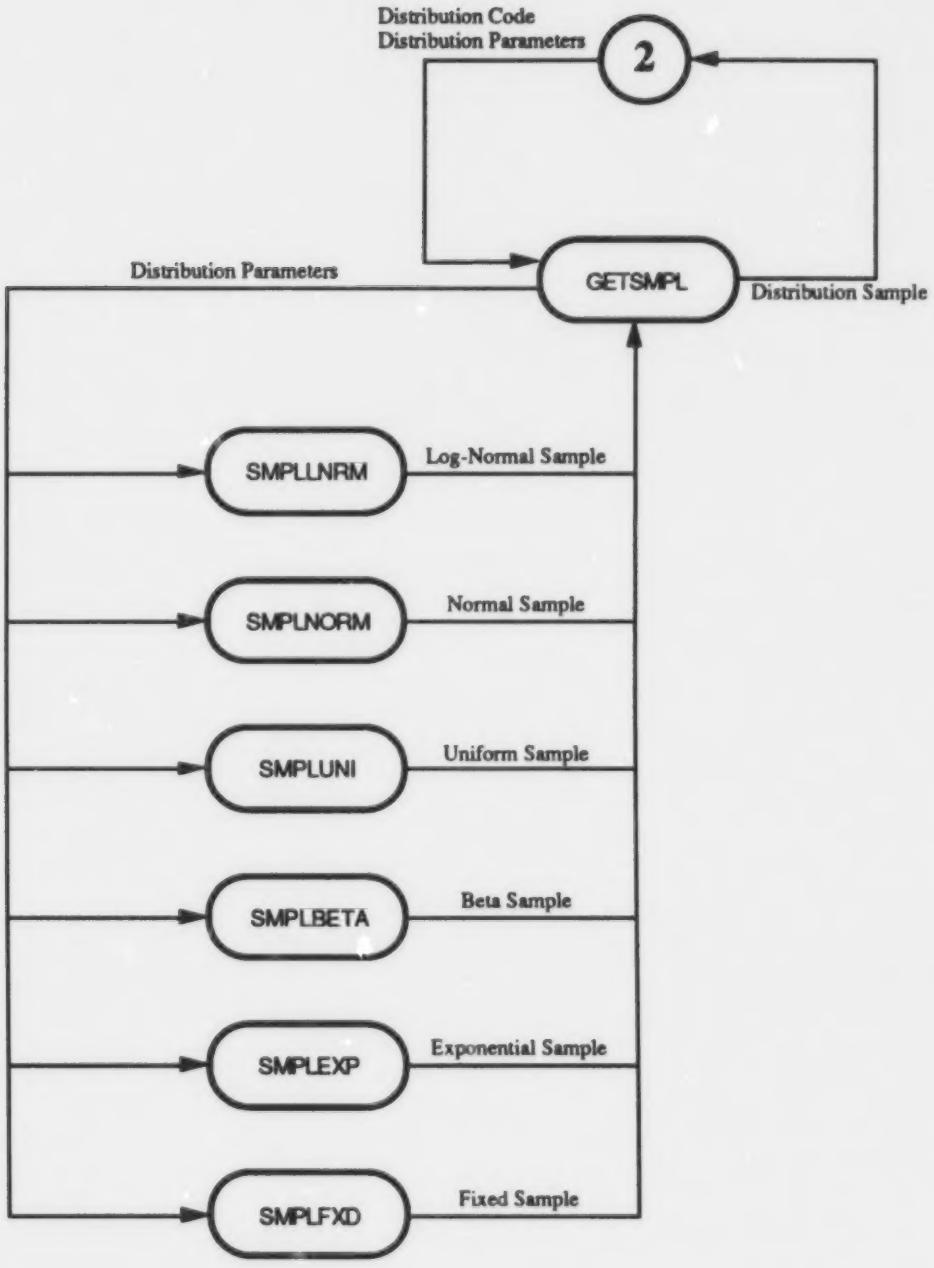

1
DS-9
IPCODES Array
Error Code
Distribution Code
Distribution Parameters
2
FR Distribution Code
TR Distribution Code
PARM2SET
Distribution Sample
FR Distribution Parameters
TR Distribution Parameters
FR Sample
TR Sample
DS-11
DPARAMS Array
DS-8
FPARAMS Array


1
DS-9
IPCODES Array
Error Code
Distribution Code
Distribution Parameters
2
FR Distribution Code
TM Distribution Code
PARM3SET
Distribution Sample
FR Distribution Parameters
TM Distribution Parameters
FR Sample
TM Sample
DS-11
DPARAMS Array
DS-8
FPARAMS Array


1
DS-9
IPCODES Array
Error Code
Distribution Code
Distribution Parameters
2
FD Distribution Code
TI Distribution Code
TR Distribution Code
TT Distribution Code
FR Distribution Code
Z Distribution Code
PARM4SET
Distribution Sample
FD Distribution Parameters
TI Distribution Parameters
TR Distribution Parameters
TT Distribution Parameters
FR Distribution Parameters
Z Distribution Parameters
FD Sample
TI Sample
TR Sample
TT Sample
FR Sample
Z Sample
DS-11
DPARAMS Array
DS-8
FPARAMS Array


1
DS-9
IPCODES Array
Error Code
Distribution Code
Distribution Parameters
2
FM Distribution Code
TE Distribution Code
PARM5SET
Distribution Sample
FM Distribution Parameters
TE Distribution Parameters
FM Sample
TE Sample
DS-11
DPARAMS Array
DS-8
FPARAMS Array


1
DS-9
IPCODES Array
Error Code
Distribution Code
Distribution Parameters
2
P Distribution Code
PARM6SET
Distribution Sample
P Distribution Parameters
P Sample
DS-11
DPARAMS Array
DS-8
FPARAMS Array


Distribution Code
Distribution Parameters
2
Distribution Parameters
GETSMPL
Distribution Sample
SMPLLNRM
Log-Normal Sample
SMPLNORM
Normal Sample
SMPLUNI
Uniform Sample
SMPLBETA
Beta Sample
SMPLEXP
Exponential Sample
SMPLFXD
Fixed Sample

4.3 Process Descriptions

CALCPROB

This module is called by EVNTPROB to calculate the failure probability of a primary event.

START:
If the value code is equal to 1, then
    Calculate the failure probability of a dormant component.
    Return.
If the value code is equal to 2, then
    Calculate the failure probability of a continuously running component.
    Return.
If the value code is equal to 3, then
    Calculate the running failure probability of a component.
    Return.
If the value code is equal to 4, then
    Calculate the failure probability of an intermittently running component.
    Return.
If the value code is equal to 5, then
    Calculate the probability of occurrence of an event.
    Return.
If the value code is equal to 6, then
    Return the sampled value for the pure probability of an event.
    Return.
END.

EVNTPROB

This module is called by PROBDIST or MODLPROB to calculate the failure probability for a primary event. This module is called only one time per simulation, for each primary event involved in the cut set equation. EVNTPROB will search the primary event table to find the given event. If the event was found, then the value code, distribution codes, and distribution parameters for the primary event will be read. Sampling for the failure probability parameters will be performed, and the failure probability for the primary event will be calculated.

```
START:
Locate the given primary event ID in the primary event array.
If the primary event ID was not found, then
   Set the error code,
   Write error message to the errors file,
   Write error message to the display,
   Return.
If the primary event ID was found then
    Read the value code, distribution codes, and distribution parameters,
    If the primary event failure probability has not yet been calculated, then
        Obtain samples for the failure distribution parameters,
        If there were errors in obtaining the samples, then
            Return.
        If there were no errors in obtaining the samples, then
            Calculate the primary event failure probability,
            Store the failure probability in the primary event failure probability array.
    If the primary event failure probability had already been calculated, then
        Obtain the failure probability from the primary event failure probability array.
    Return.
END.
```

GETSMPL

This module is called by PARM1SET, PARM2SET, PARM3SET, PARM4SET, PARM5SET, and PARM6SET to obtain a sampling from a probability distribution function.

START:
If the distribution code is equal to 1, then
    Sample from the log-normal distribution function.
    Return.
If the distribution code is equal to 2, then
    Sample from the normal distribution function.
    Return.
If the distribution code is equal to 3, then
    Sample from the uniform distribution function.
    Return.
If the distribution code is equal to 4, then
    Sample from the beta distribution function.
    Return.
If the distribution code is equal to 5, then
    Sample from the exponential distribution function.
    Return.
If the distribution code is equal to 6, then
    Sample from a fixed value.
Return.
END.

MODLPROB

This module is called by PROBDIST to calculate the failure probability for a module event. For a given module event, MODLPROB will obtain the failure probabilities for each of the composite primary events, and sum these to compute the failure probability for the module event.

START:
Rewind the module equations file.
Locate the given module ID in the module equations file.
If the module ID was not found, then
    Set error code,
    Write error message to the errors file,
    Write error message to the display,
    Return.
If the module ID was found, then
    Initialize module probability to zero,
    For each primary event which make up the module:
        Obtain the primary event failure probability.
        If there was an error, then
            Return.
        Cumulate the module probability.
        Read the next record in the module equations file.
        If the end of the file was reached, then
            Return.
    At the end of the list of primary events which make up the module:
        Return.
END.

PARM1SET

This module is called by SMPLDIST to obtain samplings for failure probability parameters used in the formula for the failure probability of a dormant component.

START:
Obtain sampling for the dormant failure rate (FD).
Obtain sampling for the test interval (TI).
Obtain sampling for the repair time (TR).
Obtain sampling for the test duration (TT).
If there were errors in obtaining any of the samples, then
    Set the error code.
Return.
END.

PARM2SET

This module is called by SMPLDIST to obtain samplings for failure probability parameters used in the formula for the failure probability of a continuously running component.

START:
Obtain sampling for the repair time (TR).
Obtain sampling for the running failure rate (FR).
If there were errors in obtaining any of the samples, then
    Set the error code.
Return.
END.

PARM3SET

This module is called by SMPLDIST to obtain samplings for failure probability parameters used in the formula for the running failure probability of a component.

START:
Obtain sampling for the running failure rate (FR).
Obtain sampling for the mission time (TM).
If there were errors in obtaining any of the samples, then
    Set the error code.
Return.
END.

PARM4SET

This module is called by SMPLDIST to obtain samplings for failure probability parameters used in the formula for the failure probability of an intermittently running component.

START:
Obtain sampling for the dormant failure rate (FD).
Obtain sampling for the test interval (TI).
Obtain sampling for the repair time (TR).
Obtain sampling for the test duration (TT).
Obtain sampling for the running failure rate (FR).
Obtain sampling for the dormancy factor (Z).
If there were errors in obtaining any of the samples, then
    Set the error code.
Return.
END.

PARM5SET

This module is called by SMPLDIST to obtain samplings for failure probability parameters used in the formula for the probability of occurrence of an event.

START:
Obtain sampling for the frequency of occurrence (FM).
Obtain sampling for the average duration of the event (TE).
If there were errors in obtaining any of the samples, then
    Set the error code.
Return.
END.

PARM6SET

This module is called by SMPLDIST to obtain samplings for the pure probability of an event.

START:
Obtain sampling for the pure probability (P).
If the sample was greater than 1, then
    Write message to the errors file.
    Repeat the sampling.
Else if there were errors in obtaining the sample, then
    Set the error code.
Return.
END.

PROBDIST

This is the entry module for the simulation package. This module opens the input and output files, initializes internal arrays, processes the cut set equation, computes the top event probability, and produces the percentile table.

START:
Obtain the filename for the primary event table.
Obtain the filename for the cut set equation file.
If there were module events in the cut set equation, then
    Obtain the filename for the module equation file.
Obtain the number of simulations.
Obtain the filename for the percentile table.
Open the primary event table file.
Open the cut set equation file.
If there were modules in the cut set equation, then
    Open the module equation file.
Open the error file.
Open the percentile table file.
Build the primary event array.
Initialize error flag to FALSE.
For each simulation:
    Initialize the primary event failure probability array.
    Initialize the term probability array.
    Rewind the cut set equation file.
    For each record in the cut set equation file:
        Read the cut set event and the term ID.
        If the event was not the same as the previous event, then
            If the event is a module event, then
                Obtain module failure probability,
                If the failure probability for the module was greater than one, then
                    Write message to the display,
                    Repeat the simulation,
            Else If the event is a complementary event, then
                If the event is a module event, then
                    Obtain module failure probability,
                    If the failure probability for the module was greater than one, then
                        Write message to the display,
                        Repeat the simulation,
                Else
                    Obtain the primary event failure probability,
                Event probability = 1 - Primary event failure probability,
            Else Obtain the primary event failure probability.
        If there were errors, then
            Set error flag to TRUE,
            Return to read another record from the cut set equation file.
        If there were no errors, then
            Accumulate the term probability for the current term ID,
            Return to read another record from the cut set equation file.
    At the end of the cut set equation file:
        If errors were detected, then
            STOP.
        If no errors occurred, then
            Compute the failure probability for the top event,
            Write out the failure probability to the percentile table file,
            Write out the failure probability to the display.
At the end of the simulations:
    Sort the list of top event probabilities in ascending order.
    Produce the percentile table.
END.

SMPLBETA

This module is called by GETSMPL to sample from the beta distribution function.

START:
If distribution parameter 1 and distribution parameter 2 are both equal to zero, then
    The sample is equal to zero.
    Write message to the errors file.
    Write message to the display.
    Return.
If distribution parameter 1 is greater than zero, and distribution parameter 2 is equal to zero, then
    The sample is equal to distribution parameter 1.
    Write message to the errors file.
    Write message to the display.
    Return.
If all the distribution parameters are greater than zero, then
    Compute standardized mean and std. dev.,
    If the standardized mean and std. dev. are valid, then
        Calculate the value of the sample,
        Return.
Otherwise
    Write error message to errors file.
    Write error message to the display.
    Return -1 as the value of the sample.
Return.
END.

SMPLDIST

This module is called by EVNTPROB to obtain the samplings for the failure probability parameters.

START:
If the value code is equal to 1, then
    Obtain samplings for failure probability parameters used in the formula for the failure probability of a dormant component.
    Return.
If the value code is equal to 2, then
    Obtain samplings for failure probability parameters used in the formula for the failure probability of a continuously running component.
    Return.
If the value code is equal to 3, then
    Obtain samplings for failure probability parameters used in the formula for the running failure probability of a dormant component.
    Return.
If the value code is equal to 4, then
    Obtain samplings for failure probability parameters used in the formula for the failure probability of an intermittently running component.
    Return.
If the value code is equal to 5, then
    Obtain samplings for failure probability parameters used in the formula for the probability of occurrence of an event.
    Return.
If the value code is equal to 6, then
    Obtain samplings for the pure probability of an event.
    Return.
END.

SMPLEXP

This module is called by GETSMPL to sample from the exponential distribution function.

START:
If distribution parameter 1 is equal to zero, then
    The sample is equal to zero.
    Write message to the errors file.
    Write message to the display.
    Return.
If distribution parameter 1 is greater than zero, and distribution parameter 2 is greater than or equal to zero, then
    Calculate the value of the sample.
Else
    Write error message to errors file.
    Write error message to the display.
    Return -1 as the value of the sample.
Return.
END.

SMPLFXD

This module is called by GETSMPL to sample from a fixed value.

START:
If distribution parameter 1 is greater than or equal to zero, then
    The sample is equal to distribution parameter 1.
Else
    Write error message to errors file.
    Write error message to the display.
    Return -1 as the value of the sample.
Return.
END.

SMPLLNRM

This module is called by GETSMPL to sample from the log-normal distribution function.

START:
If distribution parameter 1 and distribution parameter 2 are both equal to zero, then
    The sample is equal to zero.
    Write message to the errors file.
    Write message to the display.
    Return.
If distribution parameter 1 is greater than zero, and distribution parameter 2 is equal to zero, then
    The sample is equal to distribution parameter 1.
    Write message to the errors file.
    Write message to the display.
    Return.
If distribution parameter 1 and distribution parameter 2 are both greater than zero, then
    Calculate the value of the sample using the (mean, std. dev.) pair.
    Return.
If distribution parameter 3 is equal to zero, then
    The sample is equal to zero.
    Write message to the errors file.
    Write message to the display.
    Return.
If distribution parameter 3 and distribution parameter 4 are both greater than zero, then
    Calculate the value of the sample using the (median, k-factor) pair.
Else
    Write error message to errors file.
    Write error message to the display.
    Return -1 as the value of the sample.
Return.
END.

SMPLNORM

This module is called by GETSMPL to sample from the normal distribution function.

START:
If distribution parameter 1 and distribution parameter 2 are both equal to zero, then
    The sample is equal to zero.
    Write message to the errors file.
    Write message to the display.
    Return.
If distribution parameter 1 is greater than zero, and distribution parameter 2 is equal to zero, then
    The sample is equal to distribution parameter 1.
    Write message to the errors file.
    Write message to the display.
    Return.
If distribution parameter 1 is greater than or equal to zero, and distribution parameter 2 is greater than zero, then
    Calculate the value of the sample using the (mean, std. dev.) pair.
Else
    Write error message to errors file.
    Write error message to the display.
    Return -1 as the value of the sample.
Return.
END.

SMPLUNI

This module is called by GETSMPL to sample from the uniform distribution function.

START:
If distribution parameter 1 and distribution parameter 2 are both greater than or equal to zero, then
    Calculate the value of the sample.
Else
    Write error message to errors file.
    Write error message to the display.
    Return -1 as the value of the sample.
Return.
END.

4.4 Data Dictionary

This sections defines all the data flows and data stores depicted in the data flow diagrams.

Notation

The symbols and structures used to define data items in the data dictionary have the following meanings :

Composition and sequence

Data Item = Component 1
Component 2

Optional inclusion

Data Item = Component 1
(Component 2)

Multiple occurrences

Data Item = * Singular Component *

Multiple occurrences with limits

Data Item = m* Singular Component *n

(The component may occur from m-times to n-times)

Choices - Must choose only one

Data Item = [Choice 1
Choice 2
Choice 3]

Data Definition

Cut Set Equation :

Cut Set Equation = * Event ID
Term ID *

Distribution Code:

Distribution Code = [1, 2, 3, 4, 5, 6]

This package allows each failure probability parameter to be selected from one of six distribution functions for each event simulation. The choice of distribution function is specified by a distribution code. The distribution code is an integer in the range from 1 to 6, inclusively. The distribution function associated with each distribution code is listed in the following table:

Distribution Code	Distribution Function
1	Log-Normal Distribution
2	Normal Distribution
3	Uniform Distribution
4	Beta Distribution
5	Exponential Distribution
6	Fixed Value

Since sampling may be performed for any, or all, of the failure probability parameters, there must be a distribution code for each of the failure probability parameters. These are called :

P distribution code
FD distribution code
TI distribution code
TR distribution code
TT distribution code
FR distribution code
TM distribution code
FM distribution code
TE distribution code
Z distribution code

Distribution Package :

Distribution Package = Distribution Code
Distribution Parameter 1
Distribution Parameter 2
Distribution Parameter 3
Distribution Parameter 4

Distribution Parameters:

Distribution Parameters = DP1
DP2
DP3
DP4

Each distribution code is accompanied by, at most, four distribution parameters. Depending on the particular value of the distribution code, these parameters will have different meanings, as shown in the table below.

	Distribution Parameters			
Distribution Code	**DP1**	**DP2**	**DP3**	**DP4**
1	mean	std. dev.	median	k-factor
2	mean	std. dev	--	--
3	a	b	--	--
4	mean	std. dev.	a	b
5	mean	a	--	--
6	mean	--	--	--

For distribution code = 1, the user may specify either of the pairs (mean, std. dev) or (median, k-factor). To specify the (median, k-factor) pair, negative values must be entered for parameters DP1 and DP2. If DP1 and DP2 have positive values, then the (mean, std. dev.) pair will be used, regardless of what values were entered for DP3 and DP4.

For distribution code = 2, only the mean and std. dev. may be specified for parameters DP1 and DP2, respectively. DP3 and DP4 may have any value, but cannot be left blank.

For distribution code = 3, the lower limit (a) and the upper limit (b) of the range must be specified for parameters DP1 and DP2 ,respectively. DP3 and DP4 may have any value, but cannot be left blank.

For distribution code = 4, the mean, std. dev., lower limit (a) of the range, and the upper limit (b) of the range must all be specified for parameters DP1, DP2, DP3, and DP4, respectively.

For distribution code = 5, the mean and lower limit (a) must be specified for parameters DP1 and DP2, respectively. DP3 and DP4 may have any value, but cannot be left blank.

For distribution code = 6, only the mean may be specified for parameter DP1. The other parameters (DP2, DP3 and DP4) may have any value, but cannot be left blank.

Note : If the value code was 6, then the distribution parameters must be chosen such that the sampled value is always less than one.

A set of distribution parameters must accompany the distribution code for each of the failure probability parameters. These distribution parameters are named :

P distribution parameters
FD distribution parameters
TI distribution parameters
TR distribution parameters
TT distribution parameters
FR distribution parameters
TM distribution parameters
FM distribution parameters
TE distribution parameters
Z distribution parameters

Distribution Sample:

Distribution Sample = [Log-normal sample
Normal sample
Uniform sample
Beta sample
Exponential sample
Fixed sample]

Log-normal sample	=	A sample from the log-normal distribution function
Normal sample	=	A sample from the normal distribution function
Uniform sample	=	A sample from the uniform distribution function
Beta sample	=	A sample from the beta distribution function
Exponential sample	=	A sample from the exponential distribution function
Fixed sample	=	A constant

The samples obtained for each of the failure probability parameters are called :

P sample
FD sample
TI sample
TR sample
TT sample
FR sample
TM sample
FM sample
TE sample
Z sample

DPARAMS Array:

DPARMS Array = P distribution parameters
FD distribution parameters
TI distribution parameters
TR distribution parameters
TT distribution parameters
FR distribution parameters
TM distribution parameters
FM distribution parameters
TE distribution parameters
Z distribution parameters

A two-dimensional array which contains the distribution parameters for all of the failure probability parameters.

Error code:

Error Code = [0, 4]

0 - no errors were detected
4 - errors were detected (warnings are not considered as errors)

Error Messages File:

Error Message File = * Message *

This file contains any error messages or warnings which may occur during the execution of the simulations.

Event ID:

Event ID = (/)[Primary Event ID, Module ID]

The optional slash which may precede the primary event ID, or module ID, indicates the complement of the event. In other words, if the failure probability of the primary event PE is *P*, then the failure probability of the complement event /PE will be 1-*P*.

Failure Probability Parameters:

Each failure probability formula uses failure probability parameters in its equation. In total, there are ten different failure probability parameters:

P	Pure failure probability
FD	Dormant failure rate (#/1000 yrs)
TI	Test interval (days)
TR	Repair time (hrs)
TT	Test duration (hrs)
FR	Running failure rate (#/1000 yrs)
TM	Mission time (hrs)
FM	Frequency of occurrence (#/yr)
TE	Average duration of event (hrs)
Z	Dormancy factor

For each value code, the subset of failure probability parameters used in its associated failure probability formula is tabulated in the following chart:

Value Code	P	FD	TI	TR	TT	FR	TM	FM	TE	Z
1	--	X	X	X	X	--	--	--	--	--
2	--	--	--	X	--	X	--	--	--	--
3	--	--	--	--	--	X	X	--	--	--
4	--	X	X	X	X	X	--	--	--	X
5	--	--	--	--	--	--	--	X	X	--
6	X	--	--	--	--	--	--	--	--	--

FPARAMS Array:

FPARMS Array = P sample
FD sample
TI sample
TR sample
TT sample
FR sample
TM sample
FM sample
TE sample
Z sample

A one-dimensional array which contains the sampled failure probability parameters.

IPCODES Array:

IPCODES Array = Value code
P distribution code
FD distribution code
TI distribution code
TR distribution code
TT distribution code
FR distribution code
TM distribution code
FM distribution code
TE distribution code
Z distribution code

A one-dimensional array which contains the value code and the distribution codes for all of the failure probability parameters.

Message:

A description of an error or warning which was detected by the program during execution.

Module Equation :

Module Equation = * Module ID
Primary Event ID *

Module failure probability:

The failure probability for a module event.

Module ID:

The module ID is a character string up to 16 characters in length.

Number of simulations:

An integer multiple of 100; with a minimum value of 100.

PEPROB Array:

PEPROB Array = 1* Primary event failure probability *3000

A one-dimensional array which contains the primary event failure probability each primary event involved in the cut set equation, for the current simulation..

Percentile Table :

This file contains the percentile table for the probability distribution of the top event of the fault tree.

PEVENT Array:

PEVENT Array = 1* Primary event ID *3000

A one-dimensional array which contains the list of primary event IDs from the primary event table.

Primary event failure probability:

The failure probability for a primary event.

Primary event ID:

The primary event ID is a character string up to 16 characters in length.

Primary Event Table :

Primary Event Table = 1* Primary Event ID
Value Code
Distribution package for P
Distribution package for FD
Distribution package for TI
Distribution package for TR
Distribution package for TT
Distribution package for FR
Distribution package for TM
Distribution package for FM
Distribution package for TE
Distribution package for Z *3000

Term ID:

The term ID may be any integer in the range from 1 to 1000, inclusively. However, the complete set of term IDs in the cut set equation must be one continuous sequence starting from the value 1.

Term probability:

The failure probability for one term of the cut set equation.

TERMPROB Array:

TERMPROB Array = 1* Term probability *1000

A one-dimensional array which contains the failure probability for each term of the cut set equation.

Top event failure probability:

The failure probability for the top event of the fault tree.

Value Code:

Value Code = [1, 2, 3, 4, 5, 6]

The value code is an integer in the range 1 to 6, inclusively, which identifies the failure probability formula to be used for a particular primary event. The meaning of each value code is as follows:

Value Code	Description
1	Failure probability of a dormant component
2	Failure probability of a continuously running component
3	Running failure probability of a component
4	Failure probability of an intermittently running component
5	Probability of occurrence of an event
6	Pure failure probability

Input File Formats

Primary Event Table (Part 1)

Col(s)	Name	Format	Description
1 - 16	PEVENT(I)	A16	Event ID
17	IPCODES(1)	I1	Value Code
18	IPCODES(2)	I1	Distribution code for P
19 - 28	DPARAMS(1,1)	E10.4	Distribution parameter 1 for P
29 - 38	DPARAMS(1,2)	E10.4	Distribution parameter 2 for P
39 - 48	DPARAMS(1,3)	E10.4	Distribution parameter 3 for P
49 - 58	DPARAMS(1,4)	E10.4	Distribution parameter 4 for P
59	IPCODES(3)	I1	Distribution code for FD
60 - 66	DPARAMS(2,1)	F7.1	Distribution parameter 1 for FD
67 - 73	DPARAMS(2,2)	F7.1	Distribution parameter 2 for FD
74 - 80	DPARAMS(2,3)	F7.1	Distribution parameter 3 for FD
81 - 87	DPARAMS(2,4)	F7.1	Distribution parameter 4 for FD
88	IPCODES(4)	I1	Distribution code for TI
89 - 95	DPARAMS(3,1)	F7.1	Distribution parameter 1 for TI
96 - 102	DPARAMS(3,2)	F7.1	Distribution parameter 2 for TI
103 - 109	DPARAMS(3,3)	F7.1	Distribution parameter 3 for TI
110 - 116	DPARAMS(3,4)	F7.1	Distribution parameter 4 for TI
117	IPCODES(5)	I1	Distribution code for TR
118 - 124	DPARAMS(4,1)	F7.1	Distribution parameter 1 for TR
125- 131	DPARAMS(4,2)	F7.1	Distribution parameter 2 for TR
132 - 138	DPARAMS(4,3)	F7.1	Distribution parameter 3 for TR
139 - 145	DPARAMS(4,4)	F7.1	Distribution parameter 4 for TR
146	IPCODES(6)	I1	Distribution code for TT
147 - 153	DPARAMS(5,1)	F7.1	Distribution parameter 1 for TT
154 - 160	DPARAMS(5,2)	F7.1	Distribution parameter 2 for TT
161 - 167	DPARAMS(5,3)	F7.1	Distribution parameter 3 for TT
168 - 174	DPARAMS(4,4)	F7.1	Distribution parameter 4 for TT

Primary Event Table (Part 2)

Col(s)	Name	Format	Description
1 - 16	PEVENT(I)	A16	Event ID
17	IPCODES(7)	I1	Distribution code for FR
18 - 24	DPARAMS(6,1)	F7.1	Distribution parameter 1 for FR
25 - 31	DPARAMS(6,2)	F7.1	Distribution parameter 2 for FR
32 - 38	DPARAMS(6,3)	F7.1	Distribution parameter 3 for FR
39 - 45	DPARAMS(6,4)	F7.1	Distribution parameter 4 for FR
46	IPCODES(8)	I1	Distribution code for TM
47 - 53	DPARAMS(7,1)	F7.1	Distribution parameter 1 for TM
54 - 60	DPARAMS(7,2)	F7.1	Distribution parameter 2 for TM
61 - 67	DPARAMS(7,3)	F7.1	Distribution parameter 3 for TM
68 - 74	DPARAMS(7,4)	F7.1	Distribution parameter 4 for TM
75	IPCODES(9)	I1	Distribution code for FM
76 - 82	DPARAMS(8,1)	F7.1	Distribution parameter 1 for FM
83 - 89	DPARAMS(8,2)	F7.1	Distribution parameter 2 for FM
90 - 96	DPARAMS(8,3)	F7.1	Distribution parameter 3 for FM
97 - 103	DPARAMS(8,4)	F7.1	Distribution parameter 4 for FM
104	IPCODES(10)	I1	Distribution code for TE
105 - 111	DPARAMS(9,1)	F7.1	Distribution parameter 1 for TE
112 - 118	DPARAMS(9,2)	F7.1	Distribution parameter 2 for TE
119 - 125	DPARAMS(9,3)	F7.1	Distribution parameter 3 for TE
126 - 132	DPARAMS(9,4)	F7.1	Distribution parameter 4 for TE
133	IPCODES(11)	I1	Distribution code for Z
134 - 140	DPARAMS(10,1)	F7.1	Distribution parameter 1 for Z
141 - 147	DPARAMS(10,2)	F7.1	Distribution parameter 2 for Z
148 - 154	DPARAMS(10,3)	F7.1	Distribution parameter 3 for Z
155 - 161	DPARAMS(10,4)	F7.1	Distribution parameter 4 for Z

Cut Set Equation File

Col(s)	Name	Format	Description
1 - 17	CSEVT	A17	Event ID
18-20	Spaces	3X	Spaces
21 - 24	ITERM	I4	Term ID

Module Equation File

Col(s)	Name	Format	Description
1 - 16	MODULE	A16	Module ID
17	Space	1X	Space
18 - 33	EVENTID	A16	Primary Event ID

5. Sample Run

For this sample run, 500 simulations of the top event were performed. All the failure probability parameters were assumed to have a log-normal distribution, with a k-factor of 5. The following sections describe the commands executed at each stage of the process, from preparing the primary event master file through to running the simulation program; and includes a complete listing of all the input and output files.

5.1 Preparing the Primary Event Master File

- **First**, execute the following command to extract the list of primary events from the DA file named SDC_DA:

```
PEDAT $INPUT SDC_DA TAPE7 TAPE8 SDC_PEOUT
```

  Here, TAPE7 and TAPE8 are work files, while SDC_PEOUT will contain the extracted list of primary events.

- A question mark prompt (?) will appear. Since we are extracting from a 'DA' file, enter:

```
DA
```

- When the slash prompt (/) returns, the program has ended and the primary event list will be in SDC_PEOUT. Each record will contain the event ID, the event probability, and the values of the failure probability parameters used to calculate the event probability.

- **Second**, the intermediate primary event file must be created. This file will contain global initial values for the distribution parameters for each failure probability parameter associated with each primary event in the list. The following command will execute the program:

```
PEINTRM $INPUT $OUTPUT SDC_PEOUT SDC_OUT1
```

  Here, $INPUT represents the keyboard, and $OUTPUT represents the terminal. SDC_OUT1 will be the intermediate primary event file.

- The user will be prompted for the following data:

```
Please select one of the following options:

    1.   SIMPLE OPTION: all parameters have log-normal
                        distribution, and a specified global k-factor.

    2.   DETAILED OPTION: all parameters will initially
                          be set as constants.

In both cases, the user may then modify the intermediate file, as desired.
Enter 1 or 2:
?
```

- Enter 1 to select the simple option.

- **For this option, the user will be prompted to specify a global k-factor:**

```
Please specify a global k-factor:
?
```

- **For this sample run, enter 5.**

- **When the slash prompt (/) returns, the program has ended and the intermediate primary event file SDC_OUT1 would be created. The failure probability parameters for all the primary events will be specified as having a log-normal distribution, with the values of the failure probability parameters in the list of primary events being taken as the median values, and having a global k-factor of 5.**

- **Third, the user may now modify the values in SDC_OUT1 to customize the distribution parameters for individual failure probability parameters for each event. For this sample run, there will be no further modifications.**

- **Finally, the intermediate file will be reformatted into a two-part primary event master file:**

```
MAKETBLS  SDC_OUT1  SDC1_PE1  SDC1_PE2
```

Here, SDC1_PE1 is the first part of the final primary event master file, and SDC1_PE2 is the second part of the final primary event master file.

- **When the slash prompt (/) returns, the program has ended and the files SDC1_PE1 and SDC1_PE2 have been created. The primary event master file is now ready for the simulation program.**

5.2 Preparing the Cut Set Equation File

- The cut set equation (in multiple-column format) is obtained from a file which contains, in addition to the cut set equation, page headings, blank lines, a listing of the term probabilities for the cut set equation, and the sum of the term probabilities. This file must be edited to remove all the page headings, the blank lines, the listing of term probabilities, and the sum of the term probabilities. Only the section of the file containing the event ID's, the number of occurrences, and the terms where the event occurs, should remain; this is the cut set equation in multiple-column format. Any file editor may be used to perform this operation. For this run, the original file was SDC_SOLUTION, and the edited file containing just the multiple-column cut set equation was SDCMCS_IN1.

- The multiple-column cut set equation must next be converted into a single-column format. The following command will execute the program which will perform this conversion:

```
MAKEMCS  SDCMCS_IN1  SDCMCS_DAT
```

  The file SDCMCS_IN1 contains the multiple-column cut set equation, and file SDCMCS_DAT will contain the single-column cut set equation.

- When the slash prompt (/) returns, the program has ended and the file SDCMCS_DAT would be created. The cut set equation file is now ready for the simulation program.

5.3 Running the Simulation Program

- To start the program, enter the following command from the working catalog which contains the executable code module for the package:

```
PROBDIST $INPUT $OUTPUT     (return)
```

  $INPUT and $OUTPUT represent the keyboard and terminal, respectively.

- The program will begin execution. The user will then be prompted for the following data :

```
Filename for the Primary Event Table - Part 1
```

  Enter the filename for the first part of the primary event table using single quotes around the filename, for example:

```
'SDC1_PE1'     (return).
```

  If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for Primary Event Table -
```

- If the filename was correctly specified, the following will appear :

```
Filename for the Primary Event Table - Part 2
```

  Enter the filename for the second part of the primary event table using single quotes around the filename, for example:

```
'SDC1_PE2'     (return).
```

  If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for Primary Event Table -
```

- If the filename was correctly specified, the following will appear :

```
Filename for the Cut Set Equation file -
```

Enter the filename for the cut set equation file using single quotes around the filename, for example:

```
'SDCMCS_DAT'  (return).
```

If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for the Cut Set Equation file -
```

- If the filename was correctly specified, the following will appear :

```
Is there a Module Equation file for this Equation ? (Y/N) -
```

Since this cut set equation does not contain module events, reply with :

```
'N'     (return).
```

Any character other than Y, y, N,or n will not be accepted, and the user will be prompted to enter another reply :

```
Invalid entry. Please retry ...

Is there a Module Equation file for this Cut Set ? (Y/N) -
```

- If all went fine the following will appear :

```
How many simulations to perform ?
(must be an integer multiple of 100; min=100) -
```

The user must specify how many simulations of the top event probability are to be performed. The value must be an integer multiple of 100, and may not be less than 100. For this run enter:

```
500     (return)
```

If the entered value was not an integer multiple of 100, or was less than 100, the user will be prompted to reenter the value :

```
Invalid number of simulations... please reenter.

How many simulations to perform ?
(must be an integer multiple of 100; min=100) -
```

If there were invalid characters in the entry, the user will be prompted to reenter the value :

```
Invalid value. Please retry ...

How many simulations to perform ?
(must be an integer multiple of 100; min=100) -
```

- If the entry was accepted, the following will appear :

```
Filename for the output data -
```

Enter the filename for the percentile table using single quotes around the filename:

```
'SDC_SIMOUT2'          (return).
```

If the single quotes were omitted, or there were data errors with the filename, the user will be prompted to reenter the filename :

```
Invalid value. Please reenter filename for the output data -
```

- If the filename was correctly specified, the program will continue execution, and may display runtime messages as the program executes. At the end of each simulation, the value of the top event probability will be displayed on the terminal. After all the simulations have been completed, the program will sort the list of top event probabilities and produce a percentile table as the final step in the process.

- The percentile table will be in the output file SDC_SIMOUT2. If the user wishes to view the simulated top event probabilities, the sorted list of top event probabilities will be in the file named TAPE13. Any error messages or warning messages will be found in the file ERRORS.

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5.4 File : SDC_DA

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
3341-02-SDC2
FLR OF SDCS TO COOL PHTS FROM 265 C TO 38 C AND MNTN 38 C (ABNRML COOLDOWN)
OG 5
GE 3341-02-11A1
GE 3341-02-14
U6 2-3341-SDC2-CH
OPR FLS TO ESTABLISH SHUTDOWN COOLING SYS IN ABNORMAL COOLDOWN MODE WHEN RQD
0.0009
GE 3341-01-DEPRESS
U2 2-3341-CSDCS-FO
COMMON PARTS OF SDCS ON FORCED OUTAGE AT TIME OF EVENT
429.8, 17.0
3341-01-DEPRESS
DEPRESSURIZATION FAULTS OF PHTS FAIL SHUTDOWN COOLING
OG 2
D6 3331-01-MU
FAILURE OF PHT PRESSURE AND INVENTORY CONTROL SYSTEM$
REF: LABEL IS REPRESENTATIVE OF VARIOUS P&IC FAILURES
0.0
U6 2-3330-PC-LH
OPERATOR DE-PRESSURIZES PHTS BELOW SATURATION PRESSURE
0.001
3341-02-14
FAILURE OF SDCS PIPING DURING WARMUP
OG 1
GE 3341-02-15
3341-02-15
FAILURE OF SDCS PIPING DURING MISSION WITHOUT SYSTEM WARMUP
AG 2
U6 2-3341-SDC2WU-CH
OPERATOR FAILS TO WARM UP SDCS IN ABNORMAL MODE BEFORE VALVING IT IN
0.054
U6 2-3341-LSDC2-EL
FAILURE OF SDCS PIPING WHEN NO SYSTEM WARMUP
0.1
3341-02-11A1
FLR OF SDCS TO COOL PHTS FROM 265C TO 38C USING SDC PUMPS
OG 1
GE 3341-02-11A3
3341-02-11A3
FLR TO COOL PHTS FROM 265C TO 38C AND MNTN 38C USING SDC PUMPS
OG 1
GE 3341-01-651
3341-01-41
MV1 FAILS TO OPEN AND REMAIN OPEN
OG 3
GE 3341-01-42
B1 2-3341-MV1-SC
MV1 FAILED CLOSED PRIOR TO INITIATING EVENT
51.9, 260.0, 0.0, 0.0
GE 3341-01-51
3341-01-42
MV1 ELECTRICAL PROTECTION OPERATED
OG 2
GE 3341-01-4A1
GE 3341-01-43
3341-01-43
MV1 ELECTRICAL PROTECTION OPERATED BEFORE EVENT
AG 2
U6 2-3341-MV1EPO-DH
OPERATOR FAILS TO DETECT THAT MV1 ELECTRICAL PROTECTN HAS OPERATED
0.27
GE 3341-01-44
3341-01-44
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
SPURIOUS ATTEMPT TO OPEN MV1 AGAINST HIGH PRESSURE DIFFERENTIAL
OG 3
B1 2-3341-MV1S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 260.0, 0.0, 0.0
GE 3341-MV1S-PK-OSP
B1 2-3341-HS1O-CSP
HS1 OPEN CONTACT CLOSES SPURIOUSLY BEFORE EVENT
10.0, 260.0, 0.0, 0.0
3341-MV1S-PK-OSP
FLR OF CNTL LOGIC HARDWARE CAUSES MV1 STARTR TO SPURIOUSLY ENERGIZE TO OPEN MV1
AG 2
GE PK-0015-401-V-1
GE PK-0015-410-W-1
3341-01-4A1
FAILURE TO PRESSURIZE SDCS BEFORE ATTEMPTING TO OPEN MV1 THROUGH 8
OG 2
U6 2-3341-HS1T08-OSH
OPERATOR ATTEMPTS TO OPEN MV1 THROUGH 8 BEFORE PRESSURIZING SDCS
0.0013
GE 3341-01-4A2
3341-01-4A2
FAILURE TO OPEN PV70 AND PV80
AG 2
GE 3341-01-4A3
GE 3341-01-4A4
3341-01-4A3
FAILURE TO OPEN PV70
OG 4
B1 2-3341-PV70-SC
PV70 STUCK CLOSED
55.3, 260.0, 0.0, 0.0
B1 2-3341-SV70-SC
SV70 FAILED ENERGIZED
8.7, 260.0, 0.0, 0.0
GE 3341-SV70-PK-SC
B1 2-3341-HS70C-SC
HS70 CLOSE CONTACTS STUCK CLOSED
11.0, 260.0, 0.0, 0.0
3341-SV70-PK-SC
FAILURE OF CONTROL LOGIC HARDWARE PREVENTS SV70 BEING DE-ENERGIZED
OG 1
GE PK-0317-805-4-1
3341-01-4A4
FAILURE TO OPEN PV80
OG 4
B1 2-3341-PV80-SC
PV80 STUCK CLOSED
55.3, 260.0, 0.0, 0.0
B1 2-3341-SV80-SC
SV80 FAILED ENERGIZED
8.7, 260.0, 0.0, 0.0
GE 3341-SV80-PK-SC
B1 2-3341-HS80C-SC
HS80 CLOSE CONTACTS STUCK CLOSED
11.0, 260.0, 0.0, 0.0
3341-SV80-PK-SC
FAILURE OF CONTROL LOGIC HARDWARE PREVENTS SV80 BEING DE-ENERGIZED
OG 1
GE PK-0317-704-4-1
3341-01-51
FAILURE OF ELECTRIC POWER SUPPLY TO OPEN MV1
OG 3
GE 3341-01-52
B1 2-5333-LMV1MCC-OCP
MCC351 TO MV1 CABLE OR TERMINATIONS SPURIOUSLY OPEN CIRCUIT
0.26, 260.0, 0.0, 0.0
GE 3341-01-53
3341-01-52
STARTER OF MV1 FAILS TO OPERATE
OG 2
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
B1 2-3341-MV1S-SC
MV1 MOTOR STARTER FAILS TO ENERGIZE
1.3, 260.0, 0.0, 0.0
GE 3341-01-54
3341-01-54
COMMAND FAILURE TO ACTIVATE STARTER OF MV1
OG 2
GE 3341-01-61
GE 3341-MV1S-PK-SC
3341-MV1S-PK-SC
FLR OF CONTROL LOGIC HARDWRE CAUSES STARTER OF MV1 TO FL TO ENER TO OPEN MV1
OG 2
GE PK-0015-401-1-1
GE PK-0015-410-3-1
3341-01-53
NO POWER SUPPLY TO STARTER OF MV1
OG 2
U2 2-5333-MCC351-FO
MCC351 FAILS SHORTED LEADING TO FORCED OUTAGE
3.5, 11.0
GE 3341-01-71
3341-01-61
FAILURE OF CONTROL SIGNALS TO STARTER
OG 1
B1 2-3341-HS1O-SO
HS1 OPEN CONTACT FAILED OPEN PRIOR TO INITIATING EVENT
11.0, 260.0, 0.0, 0.0
3341-01-71
NO POWER SUPPLY TO 2-5333-MCC351
OG 1
GE 3341-01-72
3341-01-72
NO POWER AT 13CB6 OUTPUT
OG 2
B2 2-5333-13CB6-FO
13CB6 ON FORCED OUTAGE
1.9, 12.0
D6 5333-13-BU13-UV
FAILURE OF 2-5333-BU13 TO PROVIDE POWER
0.0
3341-01-91
MV5 FAILS TO OPEN AND REMAIN OPEN
OG 3
GE 3341-01-92
B1 2-3341-MV5-SC
MV5 FAILED CLOSED PRIOR TO INITIATING EVENT
51.9, 260.0, 0.0, 0.0
GE 3341-01-101
3341-01-92
MV5 ELECTRICAL PROTECTION OPERATED
OG 2
GE 3341-01-4A1
GE 3341-01-93
3341-01-93
MV5 ELECTRICAL PROTECTION OPERATED BEFORE EVENT
AG 2
U6 2-3341-MV5EPO-DH
OPERATOR FAILS TO DETECT THAT MV5 ELECTRICAL PROTECTION HAS OPERATED
0.27
GE 3341-01-94
3341-01-94
SPURIOUS ATTEMPT TO OPEN MV5 AGAINST HIGH PRESSURE DIFFERENTIAL
OG 3
B1 2-3341-MV5S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 260.0, 0.0, 0.0
GE 3341-MV5S-PK-OSP
B1 2-3341-HS5O-CSP
HS5 OPEN CONTACTS CLOSE SPURIOUSLY BEFORE EVENT
10.0, 260.0, 0.0, 0.0
3341-MV5S-PK-OSP
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
FLR CONTROL LOGIC HARDWARE CAUSES MV5 STARTER TO SPURSLY ENERGIZE TO OPEN MV5
AG 2
GE PK-0015-801-V-1
GE PK-0015-810-W-1
3341-01-101
FAILURE OF ELECTRIC POWER SUPPLY TO OPEN MV5
OG 3
GE 3341-01-102
B1 2-5333-LMV5MCC-OCP
MCC351 TO MV5 CABLE OR TERMINATIONS SPURIOUSLY OPEN CIRCUIT
0.26, 260.0, 0.0, 0.0
GE 3341-01-103
3341-01-102
STARTER OF MV5 FAILS TO OPERATE
OG 2
B1 2-3341-MV5S-SC
MV5 MOTOR STARTER FAILS TO ENERGIZE
1.3, 260.0, 0.0, 0.0
GE 3341-01-104
3341-01-104
COMMAND FAILURE TO ACTIVATE STARTER OF MV5
OG 2
GE 3341-MV5S-PK-SC
GE 3341-01-111
3341-MV5S-PK-SC
FLR OF CONTROL LOGIC HRDWRE CAUSES STRTER OF MV5 TO FAIL TO ENER TO OPEN MV5
OG 2
GE PK-0015-801-1-1
GE PK-0015-810-3-1
3341-01-103
NO POWER SUPPLY TO STARTER OF MV5
OG 2
GE 3341-01-71
U2 2-5333-MCC351-FO
MCC351 FAILS SHORTED LEADING TO FORCED OUTAGE
3.5, 11.0
3341-01-111
FAILURE OF CONTROL SIGNALS TO STARTER
OG 1
B1 2-3341-HS5O-SO
HS5 OPEN CONTACT FAILED OPEN PRIOR TO INITIATING EVENT
11.0, 260.0, 0.0, 0.0
3341-01-131
MV7 FAILS TO OPEN AND REMAIN OPEN
OG 3
GE 3341-01-132
B1 2-3341-MV7-SC
MV7 FAILED CLOSED PRIOR TO INITIATING EVENT
51.9, 260.0, 0.0, 0.0
GE 3341-01-141
3341-01-132
MV7 ELECTRICAL PROTECTION OPERATED
OG 2
GE 3341-01-4A1
GE 3341-01-133
3341-01-133
MV7 ELECTRICAL PROTECTION OPERATED BEFORE EVENT
AG 2
U6 2-3341-MV7EPO-DH
OPERATOR FAILS TO DETECT THAT MV7 ELECTRICAL PROTECTION HAS OPERATED
0.27
GE 3341-01-134
3341-01-134
SPURIOUS ATTEMPT TO OPEN MV7 AGAINST HIGH PRESSURE DIFFERENTIAL
OG 3
B1 2-3341-MV7S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 260.0, 0.0, 0.0
GE 3341-MV7S-PK-OSP
B1 2-3341-HS7O-CSP
HS7 OPEN CONTACT CLOSES SPURIOUSLY BEFORE EVENT
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
10.0, 260.0, 0.0, 0.0
3341-MV7S-PK-OSP
FLR CNTRL LGC HRDWRE CAUSES MV7 STARTER TO SPURIOUSLY ENERGIZE TO OPEN MV7
AG 2
GE PK-0315-805-V-1
GE PK-0315-812-W-1
3341-01-141
FAILURE OF ELECTRIC POWER SUPPLY TO OPEN MV7
OG 3
GE 3341-01-142
B1 2-5333-LMV7MCC-OCP
MCC352 TO MV7 CABLE OR TERMINATIONS SPURIOUSLY OPEN CIRCUIT
0.26, 260.0, 0.0, 0.0
GE 3341-01-143
3341-01-142
STARTER OF MV7 FAILS TO OPERATE
OG 2
B1 2-3341-MV7S-SC
MV7 MOTOR STARTER FAILS TO ENERGIZE
1.3, 260.0, 0.0, 0.0
GE 3341-01-144
3341-01-144
COMMAND FAILURE TO ACTIVATE STARTER OF MV7
OG 2
GE 3341-MV7S-PK-SC
GE 3341-01-151
3341-MV7S-PK-SC
FLR OF CNTL LOGIC HRDWRE CAUSES STRTER OF MV7 TO FAIL TO ENER TO OPEN MV7
OG 2
GE PK-0315-805-1-1
GE PK-0315-812-3-1
3341-01-143
NO POWER SUPPLY TO STARTER OF MV7
OG 2
U2 2-5333-MCC352-FO
MCC352 FAILS SHORTED LEADING TO FORCED OUTAGE
3.5, 11.0
GE 3341-01-161
3341-01-151
FAILURE OF CONTROL SIGNALS TO STARTER
OG 1
B1 2-3341-HS7O-SO
HS7 OPEN CONTACT FAILED OPEN PRIOR TO INITIATING EVENT
11.0, 260.0, 0.0, 0.0
3341-01-161
NO POWER SUPPLY TO 2-5333-MCC352
OG 1
GE 3341-01-162
3341-01-162
NO POWER AT 14CB6 OUTPUT
OG 2
D6 5333-14-BU14-UV
FAILURE OF 2-5333-BU14 TO PROVIDE POWER
0.0
B2 2-5333-14CB6-FO
14CB6 ON FORCED OUTAGE
1.9, 12.0
3341-01-181
MV3 FAILS TO OPEN AND REMAIN OPEN
OG 3
GE 3341-01-182
B1 2-3341-MV3-SC
MV3 FAILED CLOSED PRIOR TO INITIATING EVENT
51.9, 260.0, 0.0, 0.0
GE 3341-01-191
3341-01-182
MV3 ELECTRICAL PROTECTION OPERATED
OG 2
GE 3341-01-4A1
GE 3341-01-183
3341-01-183
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
MV3 ELECTRICAL PROTECTION OPERATED BEFORE EVENT
AG 2
U6 2-3341-MV3EPO-DH
OPERATOR FAILS TO DETECT THAT MV3 ELECTRICAL PROTECTION HAS OPERATED
0.27
GE 3341-01-184
3341-01-184
SPURIOUS ATTEMPT TO OPEN MV3 AGAINST HIGH PRESSURE DIFFERENTIAL
OG 3
B1 2-3341-MV3S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 260.0, 0.0, 0.0
GE 3341-MV3S-PK-OSP
B1 2-3341-HS3O-CSP
HS3 OPEN CONTACTS CLOSE SPURIOUSLY BEFORE EVENT
10.0, 260.0, 0.0, 0.0
3341-MV3S-PK-OSP
FLR CONTROL LOGIC HARDWARE CAUSES MV3 STARTER SPURIOUSLY ENERGIZE TO OPEN MV3
AG 2
GE PK-0315-401-V-1
GE PK-0315-410-W-1
3341-01-191
FAILURE OF ELECTRIC POWER SUPPLY TO OPEN MV3
OG 3
GE 3341-01-192
B1 2-5333-LMV3MCC-OCP
MCC352 TO MV3 CABLE OR TERMINATIONS SPURIOUSLY OPEN CIRCUIT
0.26, 260.0, 0.0, 0.0
GE 3341-01-193
3341-01-192
STARTER OF MV3 FAILS TO OPERATE
OG 2
B1 2-3341-MV3S-SC
MV3 MOTOR STARTER FAILS TO ENERGIZE
1.3, 260.0, 0.0, 0.0
GE 3341-01-194
3341-01-194
COMMAND FAILURE TO ACTIVATE STARTER OF MV3
OG 2
GE 3341-MV3S-PK-SC
GE 3341-01-201
3341-MV3S-PK-SC
FLR OF CONTROL LGC HRDWRE CAUSES STRTER OF MV3 TO FAIL TO ENER TO OPEN MV3
OG 2
GE PK-0315-401-1-1
GE PK-0315-410-3-1
3341-01-193
NO POWER SUPPLY TO STARTER OF MV3
OG 2
GE 3341-01-161
U2 2-5333-MCC352-FO
MCC352 FAILS SHORTED LEADING TO FORCED OUTAGE
3.5, 11.0
3341-01-201
FAILURE OF CONTROL SIGNALS TO STARTER
OG 1
B1 2-3341-HS3O-SO
HS3 OPEN CONTACT FAILED OPEN PRIOR TO INITIATING EVENT
11.0, 260.0, 0.0, 0.0
3341-01-243
FLOW DIVERTED THROUGH L12
OG 1
GE 3341-01-244
3341-01-244
PIPING FAILURE IN BLEED PURIFICATION SYSTEM
OG 1
U6 2-3341-PV6566-OH
OPERATOR OPENS PV65 AND PV66 WHILE SDCS WATER IS TOO HOT
0.0013
3341-01-252
MV22 FAILS CLOSED BEFORE EVENT AND NOT DETECTED
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
OG 2
GE 3341-01-255
U6 2-3341-MV22-CH
MV22 LEFT CLOSED AFTER MAINTENANCE AND NOT DETECTED
0.011
3341-01-255
MV22 CLOSES SPURIOUSLY BEFORE EVENT. OPERATOR DOES NOT DETECT
AG 2
U6 2-3341-MV22-DH
OPERATOR FAILS TO DETECT THAT MV22 IS CLOSED BEFORE EVENT
0.27
GE 3341-01-253
3341-01-253
MV22 CLOSES SPURIOUSLY BEFORE EVENT
OG 4
B1 2-3341-HS22C-CSP
HS22 CLOSE CONTACTS SPURIOUSLY CLOSE BEFORE EVENT
10.0, 365.0, 0.0, 0.0
B1 2-3341-MV22S-CSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 365.0, 0.0, 0.0
GE 3341MV22S-PK-CSP
B1 2-3341-MV22-CSP
MV22 FAILS CLOSED BEFORE EVENT
1.1, 365.0, 0.0, 0.0
3341MV22S-PK-CSP
FAILURE OF CONTROL LOGIC HARDWARE CAUSES MV22 TO CLOSE BEFORE EVENT
AG 2
GE PK-0017-802-V-1
GE PK-0017-809-W-1
3341-01-25A1
HX1 UNDER MAINTENANCE (INCLUDES PULSW)
AG 2
U5 2-3341-HX1-MO
HX1 UNDER MAINTENANCE (INCLUDES PULSW)
0.2, 168.0
GE 3341-01-25A2
3341-01-25A2
HX2 NOT UNDER MAINTENANCE$
'NOT' GATE
NO 1
U5 2-3341-HX2-MO
HX2 UNDER MAINTENANCE (INCLUDES PULSW)
0.2, 168.0
3341-01-25A3
HX2 UNDER MAINTENANCE (INCLUDES PULSW)
AG 2
U5 2-3341-HX2-MO
HX2 UNDER MAINTENANCE (INCLUDES PULSW)
0.2, 168.0
GE 3341-01-25A4
3341-01-25A4
HX1 NOT UNDER MAINTENANCE$
'NOT' GATE
NO 1
U5 2-3341-HX1-MO
HX1 UNDER MAINTENANCE (INCLUDES PULSW)
0.2, 168.0
3341-01-273
V23 FAILS CLOSED
OG 2
U6 2-3341-V23-CH
V23 LEFT CLOSED AFTER MAINTENANCE AND NOT DETECTED
0.0066
B1 2-3341-V23-CSP
V23 FAILS CLOSED BEFORE EVENT
0.1, 365.0, 0.0, 0.0
3341-01-282
MV25 FAILS CLOSED BEFORE EVENT AND NOT DETECTED
OG 2
U6 2-3341-MV25-CH
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
MV25 LEFT CLOSED AFTER MAINTENANCE AND NOT DETECTED
0.011
GE 3341-01-285
3341-01-285
MV25 CLOSES SPURIOUSLY BEFORE EVENT. OPERATOR FAILS TO DETECT
AG 2
U6 2-3341-MV25-DH
OPERATOR FAILS TO DETECT THAT MV25 IS CLOSED BEFORE EVENT
0.27
GE 3341-01-283
3341-01-283
MV25 CLOSES SPURIOUSLY BEFORE EVENT
OG 4
B1 2-3341-HS25C-CSP
HS25 CLOSE CONTACTS SPURIOUSLY CLOSE BEFORE EVENT
10.0, 365.0, 0.0, 0.0
GE 3341MV25S-PK-CSP
B1 2-3341-MV25S-CSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 365.0, 0.0, 0.0
B1 2-3341-MV25-CSP
MV25 FAILS CLOSED BEFORE EVENT
1.1, 365.0, 0.0, 0.0
3341MV25S-PK-CSP
FAILURE OF CONTROL LOGIC HARDWARE CAUSES MV25 TO CLOSE BEFORE EVENT
AG 2
GE PK-0317-402-V-1
GE PK-0317-409-W-1
3341-01-303
V26 FAILS CLOSED
OG 2
U6 2-3341-V26-CH
V26 LEFT CLOSED AFTER MAINTENANCE AND NOT DETECTED
0.0066
B1 2-3341-V26-CSP
V26 FAILS CLOSED BEFORE EVENT
0.1, 365.0, 0.0, 0.0
3341-01-331
MV2 FAILS TO OPEN AND REMAIN OPEN
OG 3
GE 3341-01-341
B1 2-3341-MV2-SC
MV2 FAILED CLOSED PRIOR TO INITIATING EVENT
51.9, 260.0, 0.0, 0.0
GE 3341-01-331RS
3341-01-331RS
MV2 FAILS TO OPEN AND REMAIN OPEN
OG 1
GE 3341-01-333
3341-01-333
MV2 ELECTRICAL PROTECTION OPERATED
OG 2
GE 3341-01-4A1
GE 3341-01-332
3341-01-332
MV2 ELECTRICAL PROTECTION IS OPERATED BEFORE EVENT
AG 2
U6 2-3341-MV2EPO-DH
OPERATOR FAILS TO DETECT THAT MV2 ELECTRICAL PROTECTION HAS OPERATED
0.27
GE 3341-01-334
3341-01-334
SPURIOUS ATTEMPT TO OPEN MV2 AGAINST HIGH PRESSURE DIFFERENTIAL
OG 3
B1 2-3341-HS2O-CSP
HS2 OPEN CONTACTS CLOSE SPURIOUSLY BEFORE EVENT
10.0, 260.0, 0.0, 0.0
GE 3341-MV2S-PK-OSP
B1 2-3341-MV2S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 260.0, 0.0, 0.0
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
3341-MV2S-PK-OSP
FLR CONTROL LOGIC HARDWARE CAUSES MV2 STARTR TO SPURIOUSLY ENERGIZE TO OPEN MV2
AG 2
GE PK-0015-701-V-1
GE PK-0015-710-W-1
3341-01-341
FAILURE OF ELECTRIC POWER SUPPLY TO OPEN MV2
OG 3
GE 3341-01-342
B1 2-5333-LMV2MCC-OCP
MCC351 TO MV2 CABLE OR TERMINATIONS SPURIOUSLY OPEN CIRCUIT
0.26, 260.0, 0.0, 0.0
GE 3341-01-343
3341-01-342
STARTER OF MV2 FAILS TO OPERATE
OG 2
B1 2-3341-MV2S-SC
MV2 MOTOR STARTER FAILS TO ENERGIZE
1.3, 260.0, 0.0, 0.0
GE 3341-01-344
3341-01-344
COMMAND FAILURE TO ACTIVATE STARTER OF MV2
OG 2
GE 3341-01-351
GE 3341-MV2S-PK-SC
3341-MV2S-PK-SC
FAILURE OF CONTROL LOGIC HARDWRE CAUSES STARTER OF MV2 TO FAIL TO ENERGIZE
OG 2
GE PK-0015-701-1-1
GE PK-0015-710-3-1
3341-01-343
NO POWER SUPPLY TO STARTER OF MV2
OG 2
GE 3341-01-71
U2 2-5333-MCC351-FO
MCC351 FAILS SHORTED LEADING TO FORCED OUTAGE
3.5, 11.0
3341-01-351
FAILURE OF CONTROL SIGNALS TO STARTER
OG 1
B1 2-3341-HS2O-SO
HS2 OPEN CONTACT FAILED OPEN PRIOR TO INITIATING EVENT
11.0, 260.0, 0.0, 0.0
3341-01-371
MV6 FAILS TO OPEN AND REMAIN OPEN
OG 3
GE 3341-01-381
B1 2-3341-MV6-SC
MV6 FAILED CLOSED PRIOR TO INITIATING EVENT
51.9, 260.0, 0.0, 0.0
GE 3341-01-373
3341-01-373
MV6 ELECTRICAL PROTECTION OPERATED
OG 2
GE 3341-01-372
GE 3341-01-4A1
3341-01-372
MV6 ELECTRICAL PROTECTION OPERATED BEFORE EVENT
AG 2
U6 2-3341-MV6EPO-DH
OPERATOR FAILS TO DETECT THAT MV6 ELECTRICAL PROTECTION HAS OPERATED
0.27
GE 3341-01-374
3341-01-374
SPURIOUS ATTEMPT TO OPEN MV6 AGAINST HIGH PRESSURE DIFFERENTIAL
OG 3
B1 2-3341-MV6S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 260.0, 0.0, 0.0
GE 3341-MV6S-PK-OSP
B1 2-3341-HS6O-CSP
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
HS6 OPEN CONTACT CLOSES SPURIOUSLY BEFORE EVENT
10.0, 260.0, 0.0, 0.0
3341-MV6S-PK-OSP
FLR CONTROL LOGIC HARDWARE CAUSES MV1 STRTER TO SPURIOUSLY ENERGIZE TO OPEN MV6
AG 2
GE PK-0015-805-V-1
GE PK-0015-812-W-1
3341-01-381
FAILURE OF ELECTRIC POWER SUPPLY TO MV6
OG 3
GE 3341-01-382
B1 2-5333-LMV6MCC-OCP
MCC351 TO MV6 CABLE OR TERMINATIONS SPURIOUSLY OPEN CIRCUIT
0.26, 260.0, 0.0, 0.0
GE 3341-01-383
3341-01-382
STARTER OF MV6 FAILS TO OPERATE
OG 2
B1 2-3341-MV6S-SC
MV6 MOTOR STARTER FAILS TO ENERGIZE
1.3, 260.0, 0.0, 0.0
GE 3341-01-384
3341-01-384
COMMAND FAILURE TO ACTIVATE STARTER OF MV6
OG 2
GE 3341-MV6S-PK-SC
GE 3341-01-391
3341-MV6S-PK-SC
FAILURE OF CONTROL LOGIC HARDWRE CAUSES STARTER OF MV6 TO FAIL TO ENERGIZE
OG 2
GE PK-0015-805-1-1
GE PK-0015-812-3-1
3341-01-383
NO POWER SUPPLY TO STARTER OF MV6
OG 2
GE 3341-01-71
U2 2-5333-MCC351-FO
MCC351 FAILS SHORTED LEADING TO FORCED OUTAGE
3.5, 11.0
3341-01-391
FAILURE OF CONTROL SIGNALS TO STARTER
OG 1
B1 2-3341-HS6O-SO
HS6 OPEN CONTACT FAILED OPEN PRIOR TO INITIATING EVENT
11.0, 260.0, 0.0, 0.0
3341-01-411
MV4 FAILS TO OPEN AND REMAIN OPEN
OG 3
GE 3341-01-421
B1 2-3341-MV4-SC
MV4 FAILED CLOSED PRIOR TO INITIATING EVENT
51.9, 260.0, 0.0, 0.0
GE 3341-01-413
3341-01-413
MV4 ELECTRICAL PROTECTION OPERATED
OG 2
GE 3341-01-4A1
GE 3341-01-412
3341-01-412
MV4 ELECTRICAL PROTECTION OPERATED BEFORE EVENT
AG 2
U6 2-3341-MV4EPO-DH
OPERATOR FAILS TO DETECT THAT MV4 ELECTRICAL PROTECTION HAS OPERATED
0.27
GE 3341-01-414
3341-01-414
SPURIOUS ATTEMPT TO OPEN MV4 AGAINST HIGH PRESSURE DIFFERENTIAL
OG 3
B1 2-3341-MV4S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 260.0, 0.0, 0.0
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
GE 3341-MV4S-PK-OSP
B1 2-3341-HS4O-CSP
HS4 OPEN CONTACTS CLOSE SPURIOUSLY BEFORE EVENT
10.0, 260.0, 0.0, 0.0
3341-MV4S-PK-OSP
FLR CONTROL LOGIC HARDWARE CAUSES MV4 STRTER TO SPURIOUSLY ENERGIZE TO OPEN MV4
AG 2
GE PK-0315-801-V-1
GE PK-0315-810-W-1
3341-01-421
FAILURE OF ELECTRIC POWER SUPPLY TO MV4
OG 3
GE 3341-01-422
B1 2-5333-LMV4MCC-OCP
MCC352 TO MV4 CABLE OR TERMINATIONS SPURIOUSLY OPEN CIRCUIT
0.26, 260.0, 0.0, 0.0
GE 3341-01-423
3341-01-422
STARTER OF MV4 FAILS TO OPERATE
OG 2
B1 2-3341-MV4S-SC
MV4 MOTOR STARTER FAILS TO ENERGIZE
1.3, 260.0, 0.0, 0.0
GE 3341-01-424
3341-01-424
COMMAND FAILURE TO ACTIVATE STARTER OF MV4
OG 2
GE 3341-MV4S-PK-SC
GE 3341-01-431
3341-MV4S-PK-SC
FAILURE OF CONTROL LOGIC HARDWRE CAUSES STARTER OF MV4 TO FAIL TO ENERGIZE
OG 2
GE PK-0315-801-1-1
GE PK-0315-810-3-1
3341-01-423
NO POWER SUPPLY TO STARTER OF MV4
OG 2
GE 3341-01-161
U2 2-5333-MCC352-FO
MCC352 FAILS SHORTED LEADING TO FORCED OUTAGE
3.5, 11.0
3341-01-431
FAILURE OF CONTROL SIGNALS TO STARTER
OG 1
B1 2-3341-HS4O-SO
HS4 OPEN CONTACT FAILED OPEN PRIOR TO INITIATING EVENT
11.0, 260.0, 0.0, 0.0
3341-01-451
MV8 FAILS TO OPEN AND REMAIN OPEN
OG 3
GE 3341-01-461
B1 2-3341-MV8-SC
MV8 FAILED CLOSED PRIOR TO INITIATING EVENT
51.9, 260.0, 0.0, 0.0
GE 3341-01-451RS
3341-01-451RS
MV8 FAILS TO OPEN AND REMAIN OPEN
OG 1
GE 3341-01-453
3341-01-453
MV8 ELECTRICAL PROTECTION OPERATED
OG 2
GE 3341-01-4A1
GE 3341-01-452
3341-01-452
MV8 ELECTRICAL PROTECTION OPERATED BEFORE EVENT
AG 2
U6 2-3341-MV8EPO-DH
OPERATOR FAILS TO DETECT THAT MV8 ELECTRICAL PROTECTION HAS OPERATED
0.27
GE 3341-01-454
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
3341-01-454
SPURIOUS ATTEMPT TO OPEN MV8 AGAINST HIGH PRESSURE DIFFERENTIAL
OG 3
B1 2-3341-MV8S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 260.0, 0.0, 0.0
GE 3341-MV8S-PK-OSP
B1 2-3341-HS8O-CSP
HS8 OPEN CONTACTS CLOSE SPURIOUSLY BEFORE EVENT
10.0, 260.0, 0.0, 0.0
3341-MV8S-PK-OSP
FLR CONTROL LOGIC HARDWARE CAUSES MV8 STARTER TO SPURSLY ENERGIZE TO OPEN MV8
AG 2
GE PK-0315-701-V-1
GE PK-0315-710-W-1
3341-01-461
FAILURE OF ELECTRIC POWER SUPPLY TO MV8
OG 3
GE 3341-01-462
B1 2-5333-LMV8MCC-OCP
MCC352 TO MV8 CABLE OR TERMINATIONS SPURIOUSLY OPEN CIRCUIT
0.26, 260.0, 0.0, 0.0
GE 3341-01-463
3341-01-462
STARTER OF MV8 FAILS TO OPERATE
OG 2
B1 2-3341-MV8S-SC
MV8 MOTOR STARTER FAILS TO ENERGIZE
1.3, 260.0, 0.0, 0.0
GE 3341-01-464
3341-01-464
COMMAND FAILURE TO ACTIVATE STARTER OF MV8
OG 2
GE 3341-MV8S-PK-SC
GE 3341-01-471
3341-MV8S-PK-SC
FAILURE OF CONTROL LOGIC HARDWRE CAUSES STARTER OF MV8 TO FAIL TO ENERGIZE
OG 2
GE PK-0315-701-1-1
GE PK-0315-710-3-1
3341-01-463
NO POWER SUPPLY TO STARTER OF MV8
OG 2
GE 3341-01-161
U2 2-5333-MCC352-FO
MCC352 FAILS SHORTED LEADING TO FORCED OUTAGE
3.5, 11.0
3341-01-471
FAILURE OF CONTROL SIGNALS TO STARTER
OG 1
B1 2-3341-HS8O-SO
HS8 OPEN CONTACT FAILED OPEN PRIOR TO INITIATING EVENT
11.0, 260.0, 0.0, 0.0
3341-01-544
7230-V58 FAILS CLOSED
OG 2
B1 2-7230-V58-CSP
V58 FAILED CLOSED BEFORE EVENT
6.0, 730.0, 0.0, 0.0
U6 2-7230-VHX1-CH
ANY PULSW HX1 VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.002
3341-01-561
NO FLOW INTO 7230-TCV111
OG 2
GE 3341-01-562
GE 3341-01-563
3341-01-562
7230-V57 FAILS CLOSED
OG 2
U6 2-7230-VHX1-CH
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
ANY PULSW HX1 VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.002
B1 2-7230-V57-CSP
V57 FAILED CLOSED BEFORE EVENT
6.0, 730.0, 0.0, 0.0
3341-01-563
NO FLOW INTO 7230-V57
OG 1
GE 3341-01-564
3341-01-564
NO FLOW FROM 7230-V11
OG 3
B1 2-7230-V11-CSP
V11 FAILED CLOSED BEFORE EVENT
6.0, 730.0, 0.0, 0.0
U6 2-7230-VHX1-CH
ANY PULSW HX1 VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.002
GE 3341-01-565
3341-01-565
NO FLOW INTO 7230-V11
OG 1
GE 3341-01-566
3341-01-566
NO FLOW FROM 7230-L9-W20B
OG 1
D6 7230-02-PULSWTSDC
INADEQUATE PULSW WATER AT REQD PRESS AND TEMP TO SDCS HXS, PUMP MTRS
0.0
3341-01-603
7230-V61 FAILS CLOSED
OG 2
B1 2-7230-V61-CSP
V61 FAILED CLOSED BEFORE EVENT
6.0, 730.0, 0.0, 0.0
U6 2-7230-V61-CH
V61 LEFT CLOSED AFTER MAINTENANCE AND NOT DETECTED
0.002
3341-01-621
NO FLOW INTO 7230-TCV121
OG 2
GE 3341-01-622
GE 3341-01-623
3341-01-622
7230-V60 FAILS CLOSED
OG 1
B1 2-7230-V60-SC
V60 STUCK CLOSED
2.0, 730.0, 0.0, 0.0
3341-01-623
NO FLOW INTO 7230-V60
OG 1
GE 3341-01-624
3341-01-624
NO FLOW FROM 7230-V12
OG 2
B1 2-7230-V12-SC
V12 STUCK CLOSED
2.0, 730.0, 0.0, 0.0
GE 3341-01-625
3341-01-625
NO FLOW INTO 7230-V12
OG 1
GE 3341-01-626
3341-01-626
NO FLOW FROM 7230-L9-W16B
OG 1
D6 7230-02-PULSWTSDC
INADEQUATE PULSW WATER AT REQD PRESS AND TEMP TO SDCS HXS, PUMP MTRS
0.0
3341-01-651
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
NO COOLING FLOW TO BOTH RIH'S OF EITHER NORTH OR SOUTH PHTS LOOPS
OG 2
GE 3341-01-651A1
GE 3341-01-651A2
3341-01-651A1
NO COOLING FLOW TO BOTH RIH'S OF NORTH LOOP
AG 2
GE 3341-01-654
GE 3341-01-655
3341-01-651A2
NO COOLING FLOW TO BOTH RIH'S OF SOUTH LOOP
AG 2
GE 3341-01-656
GE 3341-01-657
3341-01-654
NO COOLING FLOW TO RIH HD2
OG 1
GE 3341-01-661
3341-01-655
NO COOLING FLOW TO RIH HD4
OG 1
GE 3341-01-681
3341-01-656
NO COOLING FLOW TO RIH HD6
OG 1
GE 3341-01-671
3341-01-657
NO COOLING FLOW TO RIH HD8
OG 1
GE 3341-01-691
3341-01-661
NO FLOW TO PHT SYSTEM VIA MV2
OG 2
GE 3341-01-662
GE 3341-01-331
3341-01-662
NO FLOW TO MV2, THAT IS NO FLOW THROUGH L11 HEADER
OG 1
GE 3341-01-701
3341-01-671
NO FLOW TO PHT SYSTEM VIA MV6
OG 2
GE 3341-01-672
GE 3341-01-371
3341-01-672
NO FLOW TO MV6, THAT IS NO FLOW THROUGH L11 HEADER
OG 1
GE 3341-01-701
3341-01-681
NO FLOW TO PHT SYSTEM VIA MV4
OG 2
GE 3341-01-682
GE 3341-01-411
3341-01-682
NO FLOW TO MV4, THAT IS NO FLOW THROUGH L11 HEADER
OG 1
GE 3341-01-701
3341-01-691
NO FLOW TO PHT SYSTEM VIA MV8
OG 2
GE 3341-01-692
GE 3341-01-451
3341-01-692
NO FLOW TO MV8, THAT IS NO FLOW THROUGH L11 HEADER
OG 1
GE 3341-01-701
3341-01-701
NO FLOW THROUGH L11 HEADER
OG 1
GE 3341-01-702
3341-01-702
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
NO FLOW INTO L11 HEADER
AG 2
GE 3341-01-711
GE 3341-01-731
3341-01-711
NO FLOW THROUGH V23
OG 2
GE 3341-01-712
GE 3341-01-273
3341-01-712
NO FLOW TO V23, THAT IS NO FLOW THROUGH OR1
OG 1
GE 3341-01-713
3341-01-713
NO FLOW TO OR1, THAT IS FAILURE TO ESTABLISH REQUIRED COOLING FLOW
OG 2
GE 3341-01-721
GE 3341-01-713A1
3341-01-721
FAILURE TO ESTABLISH REQUIRED FLOW THROUGH TUBE SIDE OF HX1
OG 2
B1 2-3341-HX1-ITP
HX1 FAILS PRIOR TO MISSION
9.1, 730.0, 0.0, 0.0
GE 3341-01-722
3341-01-722
NO FLOW TO TUBE SIDE OF HX1, THAT IS NO FLOW THROUGH MV22
OG 4
GE 3341-01-25A1
GE 3341-01-252
U2 2-3341-LHX1-FO
HX2 FLOWPATH ON FORCED OUTAGE
35.6, 168.0
GE 3341-01-723
3341-01-723
NO FLOW TO MV22, THAT IS NO FLOW THROUGH L10 HEADER
OG 1
GE 3341-01-751
3341-01-713A1
FAILURE TO ESTABLISH REQUIRED COOLING FLOW THRU SHELL SIDE OF HX1
OG 2
GE 3341-01-713A2
U2 2-7230-LHX1-FO
HX1 PULSW ON FORCED OUTAGE
107.9, 16.0
3341-01-713A2
NO FLOW FROM 7230-L73
OG 2
GE 3341-01-544
GE 3341-01-713A3
3341-01-713A3
NO FLOW INTO 7230-V58
OG 2
GE 3341-01-713A4
GE 3341-01-561
3341-01-713A4
7230-TCV111 FAILS CLOSED
OG 2
GE 3341-01-713A5
B1 2-7230-TCV111-SC
TCV111 FAILED CLOSED BEFORE EVENT
15.8, 730.0, 0.0, 0.0
3341-01-713A5
FAILURE OF CONTROL SIGNAL TO OPEN TCV11 AND MAINTAIN IT OPEN
OG 1
GE 3341-01-713A6
3341-01-713A6
OUTPUT OF TY1 FAILS HIGH
OG 2
GE 3341-01-713A7
B1 2-3341-TY1-HOP
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
TY1 FAIS HIGH BEFORE EVENT
16.4, 730.0, 0.0, 0.0
3341-01-713A7
INPUT TO TY1 FAILS HIGH
OG 2
GE 3341-01-713A8
B1 2-3341-TC1-HOP
TC1 FAILS HIGH BEFORE EVENT
6.0, 730.0, 0.0, 0.0
3341-01-713A8
INPUT TO TC1 FAILS LOW IN SDC PUMP MODE
OG 2
GE 3341-01-713A8A
B1 2-3341-HS21C-OSP
HS21 CLOSE CONTACTS OPEN SPURIOUSLY BEFORE EVENT
10.0, 730.0, 0.0, 0.0
3341-01-713A8A
TE1 OR TT1 FAILED LOW AND OPERATOR FAILS TO TAKE ACTION IN MCR
AG 2
U6 2-3341-TETT-RECH
OPERATOR FAILS TO TAKE ACTION IN MCR WHEN TE OR TT FAILED
0.0013
GE 3341-01-713A8B
3341-01-713A8B
TE1 OR TT1 FAILED LOW BEFORE EVENT
OG 2
B1 2-3341-TE1-LOP
TE1 FAILS LOW BEFORE EVENT
13.0, 730.0, 0.0, 0.0
B1 2-3341-TT1-LOP
TT1 FAILS LOW BEFORE EVENT
35.0, 730.0, 0.0, 0.0
3341-01-731
NO FLOW THROUGH V26
OG 2
GE 3341-01-732
GE 3341-01-303
3341-01-732
NO FLOW TO V26, THAT IS NO FLOW THROUGH OR2
OG 1
GE 3341-01-733
3341-01-733
NO FLOW TO OR2, THAT IS FAILURE TO ESTABLISH REQUIRED COOLING FLOW
OG 2
GE 3341-01-741
GE 3341-01-733A1
3341-01-741
FAILURE TO ESTABLISH REQUIRED FLOW THROUGH TUBE SIDE OF HX2
OG 2
B1 2-3341-HX2-ITP
HX2 FAILS PRIOR TO MISSION
9.1, 730.0, 0.0, 0.0
GE 3341-01-742
3341-01-742
NO FLOW TO TUBE SIDE OF HX2, THAT IS NO FLOW THROUGH MV25
OG 4
GE 3341-01-25A3
U2 2-3341-LHX2-FO
HX2 FLOWPATH ON FORCED OUTAGE
35.6, 168.0
GE 3341-01-282
GE 3341-01-743
3341-01-743
NO FLOW TO MV25, THAT IS NO FLOW THROUGH L10 HEADER
OG 1
GE 3341-01-751
3341-01-733A1
FAILURE TO ESTABLISH REQUIRED COOLING WATER THROUGH SHELL SIDE OF HX2
OG 2
GE 3341-01-733A2
U2 2-7230-LHX2-FO
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
HX2 PULSW PATH ON FORCED OUTAGE
107.9, 16.0
3341-01-733A2
NO FLOW FROM 7230-L48
OG 2
GE 3341-01-603
GE 3341-01-733A3
3341-01-733A3
NO FLOW INTO 7230-V61
OG 2
GE 3341-01-733A4
GE 3341-01-621
3341-01-733A4
7230-TCV121 FAILS CLOSED
OG 2
GE 3341-01-733A5
B1 2-7230-TCV121-SC
TCV121 FAILED CLOSED BEFORE EVENT
15.8, 730.0, 0.0, 0.0
3341-01-733A5
FAILURE OF CONTROL SIGNAL TO OPEN TCV121 AND MAINTAIN IT OPEN
OG 1
GE 3341-01-733A6
3341-01-733A6
OUTPUT OF TY2 FAILS HIGH
OG 2
GE 3341-01-733A7
B1 2-3341-TY2-HOP
TY2 FAILS HIGH BEFORE EVENT
16.4, 730.0, 0.0, 0.0
3341-01-733A7
INPUT TO TY2 FAILS HIGH
OG 2
GE 3341-01-733A8
B1 2-3341-TC2-HOP
TC2 FAILS HIGH BEFORE EVENT
6.0, 730.0, 0.0, 0.0
3341-01-733A8
INPUT TO TC2 FAILS LOW IN SDC PUMP MODE
OG 2
GE 3341-01-733A8A
B1 2-3341-HS21C-OSP
HS21 CLOSE CONTACTS OPEN SPURIOUSLY BEFORE EVENT
10.0, 730.0, 0.0, 0.0
3341-01-733A8A
TE2 OR TT2 FAILED LOW AND OPERATOR FAILS TO TAKE ACTION IN MCR
AG 2
U6 2-3341-TETT-RECH
OPERATOR FAILS TO TAKE ACTION IN MCR WHEN TE OR TT FAILED
0.0013
GE 3341-01-733A8B
3341-01-733A8B
TE2 OR TT2 FAILED LOW BEFORE EVENT
OG 2
B1 2-3341-TE2-LOP
TE2 FAILS LOW BEFORE EVENT
13.0, 730.0, 0.0, 0.0
B1 2-3341-TT2-LOP
TT2 FAILS LOW BEFORE EVENT
35.0, 730.0, 0.0, 0.0
3341-01-751
NO FLOW THROUGH L10 HEADER
OG 3
GE 3341-01-752
GE 3341-01-243
GE 3341-01-761
3341-01-752
FLOW DIVERTED THROUGH MV21, THAT IS MV21 FAILS OPEN
OG 1
GE 3341-01-75A1
3341-01-75A1
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
MV21 FAILED OPEN BEFORE EVENT AND NOT DETECTED
AG 2
U6 2-3341-MV21-DH
OPERATOR FAILS TO DETECT THAT MV21 IS OPEN BEFORE EVENT
0.27
GE 3341-01-75A2
3341-01-75A2
MV21 OPENS SPURIOUSLY BEFORE EVENT
OG 4
B1 2-3341-MV21-OSP
MV21 OPENS SPURIOUSLY BEFORE EVENT
0.4, 365.0, 0.0, 0.0
GE 3341MV21S-PK-OSP
B1 2-3341-MV21S-OSP
MOTOR STARTER SPURIOUSLY ENERGIZES BEFORE EVENT
0.3, 365.0, 0.0, 0.0
B1 2-3341-HS21O-CSP
HS21 OPEN CONTACTS SPURIOUSLY CLOSE BEFORE EVENT
10.0, 365.0, 0.0, 0.0
3341MV21S-PK-OSP
FAILURE OF CONTROL LOGIC HARDWARE CAUSES MV21 TO OPEN BEFORE EVENT
AG 2
GE PK-0017-401-V-1
GE PK-0017-410-W-1
3341-01-761
NO FLOW THROUGH SDC PUMPS
OG 2
GE 3341-01-762
GE 3341-01-763
3341-01-762
FAILURE OF ONE SDC PUMP TO RUN
AG 3
GE 3341-01-771
GE 3341-01-841
GE 3341-01-941
3341-01-763
BACKFLOW THROUGH A STOPPED PUMP
OG 2
B1 2-3341-NV13-OSP
NV13 FAILS TO PREVENT BACKFLOW
9.4, 730.0, 0.0, 0.0
B1 2-3341-NV16-OSP
NV16 FAILS TO PREVENT BACKFLOW
9.4, 730.0, 0.0, 0.0
3341-01-771
NO FLOW THROUGH SDCS P1 PUMP PATH, THAT IS NO FLOW THROUGH V11
OG 5
GE 3341-01-772
U2 2-3341-P1LEG-FO
PUMP P1 LEG ON FORCED OUTAGE
39.4, 16.0
U6 2-3341-VP1-CH
ANY P1 LEG VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
B1 2-3341-V11-CSP
V11 FAILS CLOSED BEFORE EVENT
0.1, 365.0, 0.0, 0.0
GE 3341-01-77A1
3341-01-772
NO FLOW TO V11, THAT IS NO FLOW THROUGH NV10
OG 2
GE 3341-01-773
B1 2-3341-NV10-SC
NV10 FAILS CLOSED BEFORE EVENT
0.3, 365.0, 0.0, 0.0
3341-01-773
NO FLOW TO NV10, THAT IS NO FLOW THROUGH PUMP P1
OG 2
GE 3341-01-781
GE 3341-01-831
3341-01-77A1
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
PUMP P1 LEG ON MAINTENANCE OUTAGE
AG 3
GE 3341-01-77A2
U5 2-3341-P1LEG-MO
PUMP P1 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
GE 3341-01-77A3
3341-01-77A2
PUMP P2 LEG NOT ON MAINTENANCE OUTAGE$
'NOT' GATE
NO 1
U5 2-3341-P2LEG-MO
PUMP P2 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
3341-01-77A3
PUMP P3 LEG NOT ON MAINTENANCE OUTAGE$
'NOT' GATE
NO 1
U5 2-3341-P3LEG-MO
PUMP P3 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
3341-01-781
PUMP P1 FAILS TO START AND RUN
OG 2
GE 3341-01-782
GE 3341-01-811
3341-01-782
PUMP P1 FAILS
OG 3
GE 3341-01-783
B1 2-3341-P1-SF
PUMP P1 FAILS TO START
18.70, 365.0, 14.0, 0.0
GE 3341-01-801
3341-01-783
PUMP MOTOR PM1 FAILURE
OG 2
GE 3341-01-791
B1 2-3341-PM1-SF
PM1 FAILS TO START
62.0, 365.0, 184.0, 0.0
3341-01-791
NO POWER TO PUMP MOTOR PM1
OG 3
GE 3341-01-792
D6 5323-07-BU7-UV
FAILURE OF 2-5323-BU7 TO PROVIDE POWER
0.0
B1 2-5323-LPM1-OCP
PUMP P1 CABLE AND CONNECTOR SPURIOUSLY OPEN CIRCUITED
1.76, 365.0, 0.0, 0.0
3341-01-792
CIRCUIT BREAKER 7CB13 FAILS TO CLOSE AND REMAIN CLOSED
OG 3
GE 3341-01-793
B6 2-5323-7CB13-SO
7CB13 FAILS TO CLOSE ON DEMAND
0.0005
U6 2-5323-7CB13-OH
7CB13 LEFT IN RACKED-OUT OR IN TEST POSITION FOLLOWING MAINTENANCE
0.0011
3341-01-793
COMMAND FAILURE CAUSES 7CB13 TO FAIL TO CLOSE AND REMAIN CLOSED
OG 2
GE 3341-01-794
GE 53237CB13PK-SO-X
53237CB13PK-SO-X
PROGRAMMABLE CONTROLLER FOR 5323-7CB13 FAILS
OG 2
D6 5541-31-BU31-UV0
FAILURE OF 2-5541-BU31 TO PROVIDE POWER BEFORE EVENT
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
0.0
GE 5323-7CB13-PK-SO
5323-7CB13-PK-SO
FAILURE OF CONTROL LOGIC HARDWARE CAUSES 7CB13 TO FAIL TO CLOSE
OG 2
GE PK-0014-401-1-1
GE PK-0014-412-3-1
3341-01-794
CIRCUIT BREAKER 7CB13 FAILS OPEN DUE TO FLR OF CONTROL SIG TO CONTROL LGC
OG 1
B1 2-3341-HS11N-SO
HS11 ON CONTACT FAILS OPEN BEFORE EVENT
11.0, 365.0, 0.0, 0.0
3341-01-801
FAILURE OF P1 SERVICES
OG 2
GE 3341-01-802
GE 3341-01-801A1
3341-01-802
FAILURE OF P1 GLAND SUPPLY
IG 2
GE 3341-01-802A1
C6 PHT-TEMP-GT-93C
PHT TEMPERATURE ABOVE 93.3 C
0.03
3341-01-801A1
FAILURE OF PULSW TO PUMP MOTOR PM1$
ASSUME STEAM ENVIRONMENT INSIDE CONTMNT REQUIRES MOTOR COOLING
OG 4
B1 2-7230-V236-CSP
V236 FAILS CLOSED BEFORE EVENT
0.06, 730.0, 0.0, 0.0
B1 2-7230-V241-CSP
V241 FAILS CLOSED BEFORE EVENT
0.06, 730.0, 0.0, 0.0
D6 7230-02-PULSWTSDC
INADEQUATE PULSW WATER AT REQD PRESS AND TEMP TO SDCS HXS, PUMP MTRS
0.0
U6 2-7230-VSDCP1-CH
ANY PULSW VALVE TO 3341-P1 LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
3341-01-802A1
FAILURE OF P1 GLAND SUPPLY
AG 2
GE 3341-01-804
GE 3341-01-80A1
3341-01-804
FAILURE OF RCW TO P1 GLAND SUPPLY COOLER
OG 4
D6 7220-01-RCWTRH
RCW SYS FL SPLY ADQT H2O AT REQD PRESS & TEMP TO RING HDR
0.0
B1 2-3341-P1HX-ITP
HEAT EXCHANGER FAILS PRIOR TO EVENT
12.1, 730.0, 0.0, 0.0
GE 3341-01-804RS
B1 2-7220-V165-CSP
V165 FAILS CLOSED BEFORE EVENT
0.1, 730.0, 0.0, 0.0
3341-01-804RS
FAILURE OF RCW TO P1 GLAND SUPPLY COOLER
OG 2
B1 2-7220-V164-CSP
V164 FAILS CLOSED BEFORE EVENT
0.1, 730.0, 0.0, 0.0
U6 2-7220-VSDCP1-CH
ANY RCW VALVE TO 3341-P1 LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
3341-01-80A1
FAILURE OF NORMAL GLAND SUPPLY TO P1
OG 3
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
GE 3341-01-80A2
GE 3341-01-80B1
GE 3341-01-80A3
3341-01-80A3
FAILURE OF RETURN FROM P1 ONLY
OG 2
B1 2-3334-V43-CSP
V43 CLOSES SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
U6 2-3334-VSDCP1-CH
ANY VALVE IN 3341-P1 SEAL SUPPLY OR RETURN LEFT CLOSED AFTER MTCE AND NOT DTCTD
0.076
3341-01-80A2
FAILURE OF SUPPLY TO P1 ONLY
OG 3
B1 2-3334-NV108-SC
NV108 STUCK CLOSED
0.1, 730.0, 0.0, 0.0
GE 3341-01-80A2RS
B1 2-3334-V35-CSP
V35 CLOSED SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
3341-01-80A2RS
FAILURE OF SUPPLY TO P1 ONLY
OG 2
B1 2-3334-V39-CSP
V39 CLOSED SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
U6 2-3334-VSDCP1-CH
ANY VALVE IN 3341-P1 SEAL SUPPLY OR RETURN LEFT CLOSED AFTER MTCE AND NOT DTCTD
0.076
3341-01-80B1
FAILURE OF SUPPLY TO, OR RETURN FROM, ALL SDC PUMPS
OG 2
GE 3341-01-80B2
GE 3341-01-80B1A1
3341-01-80B1A1
FAILURE OF SUPPLY TO ALL SDC PUMPS
OG 2
B1 2-3334-PV32-SC
PV32 STUCK CLOSED
55.3, 730.0, 0.0, 0.0
GE 3341-01-80B1RS
3341-01-80B1RS
OTHER FAILURES OF SUPPLY TO ALL SDC PUMPS
OG 2
B1 2-3334-SV32-SC
SV32 FAILED ENERGIZED
8.7, 730.0, 0.0, 0.0
B1 2-3334-HS32C-SC
HS32 CLOSE CONTACTS STUCK CLOSED
11.0, 730.0, 0.0, 0.0
3341-01-80B2
FAILURE OF RETURN FROM ALL SDC PUMPS
OG 1
B1 2-3334-NV48-SC
NV48 STUCK CLOSED
0.1, 730.0, 0.0, 0.0
3341-01-811
LOSS NML PWR SUPPLY & PUMP P1 FLS TO START AFT RESTORATION OF POWER
AG 2
GE 3341-01-812
GE 3341-01-813
3341-01-812
PMP P1 FL TO RESTART ON RESTORATION OF POWER TO 4.16KV CLASS-III BUS 7
OG 1
GE 3341-01-814
3341-01-814
PUMP MOTOR PM1 FAILS TO RESTART
OG 1
GE 3341-01-815
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
3341-01-815
FAILURE TO RECLOSE 7CB13 ON RESTORATION OF POWER
OG 1
U6 TS-3341-P1-RSF
FAILURE OF CLASS III TRANSFER SCHEME CAUSES P1 TO FAIL TO RESTART
0.0079
3341-01-813
LOSS OF NORMAL POWER SUPPLY TO PUMP P1
OG 1
D6 5314-03-BU3-UV
FAILURE OF 2-5314-BU3 TO PROVIDE POWER
0.0
3341-01-831
NO FLOW TO RUNNING PUMP P1, THAT IS NO FLOW THROUGH V9
OG 3
GE 3341-01-832
B1 2-3341-V9-CSP
V9 FAILED CLOSED BEFORE EVENT
0.1, 365.0, 0.0, 0.0
U6 2-3341-VP1-CH
ANY P1 LEG VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
3341-01-832
NO FLOW TO V9, THAT IS NO FLOW THROUGH L1 HEADER
OG 1
GE 3341-01-1041
3341-01-841
NO FLOW THROUGH SDCS P2 PUMP PATH, THAT IS NO FLOW THROUGH V14
OG 5
B1 2-3341-V14-CSP
V14 FAILED CLOSED PRIOR TO INITIATING EVENT
0.1, 365.0, 0.0, 0.0
GE 3341-01-842
U2 2-3341-P2LEG-FO
PUMP P2 LEG ON FORCED OUTAGE
39.4, 16.0
GE 3341-01-84A1
U6 2-3341-VP2-CH
ANY P2 LEG VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
3341-01-842
NO FLOW THROUGH NV13
OG 2
B1 2-3341-NV13-SC
NV13 FAILED CLOSED PRIOR TO INITIATING EVENT
0.3, 365.0, 0.0, 0.0
GE 3341-01-843
3341-01-843
NO FLOW TO NV13, THAT IS NO FLOW THROUGH P2 PUMP
OG 2
GE 3341-01-851
GE 3341-01-931
3341-01-84A1
PUMP P2 LEG ON MAINTENANCE OUTAGE
AG 3
GE 3341-01-84A2
U5 2-3341-P2LEG-MO
PUMP P2 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
GE 3341-01-84A3
3341-01-84A2
PUMP P1 LEG NOT ON MAINTENANCE OUTAGE$
'NOT' GATE
NO 1
U5 2-3341-P1LEG-MO
PUMP P1 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
3341-01-84A3
PUMP P3 LEG NOT ON MAINTENANCE OUTAGE$
'NOT' GATE
NO 1
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
U5 2-3341-P3LEG-MO
PUMP P3 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
3341-01-851
PUMP P2 FAILS TO START AND RUN
OG 2
GE 3341-01-861
GE 3341-01-921
3341-01-861
PUMP P2 FAILS
OG 3
B1 2-3341-P2-SF
PUMP P2 FAILS TO START
18.70, 365.0, 14.0, 0.0
GE 3341-01-862
GE 3341-01-871
3341-01-862
PUMP-MOTOR PM2 FAILURE
OG 2
GE 3341-01-863
B1 2-3341-PM2-SF
PM2 FAILS TO START
62.0, 365.0, 184.0, 0.0
3341-01-863
NO POWER TO PUMP-MOTOR PM2
OG 3
D6 5323-08-BU8-UV
FAILURE OF 2-5323-BU8 TO PROVIDE POWER
0.0
GE 3341-01-881
B1 2-5323-LPM2-OCP
CABLE AND CONNECTOR FAIL OPEN CIRCUITED
1.76, 365.0, 0.0, 0.0
3341-01-871
FAILURE OF P2 SERVICES
OG 2
GE 3341-01-872
GE 3341-01-871A1
3341-01-872
FAILURE OF P2 GLAND SUPPLY COOLING
IG 2
GE 3341-01-872A1
C6 PHT-TEMP-GT-93C
PHT TEMPERATURE ABOVE 93.3 C
0.03
3341-01-872A1
FAILURE OF P2 GLAND SUPPLY COOLING
AG 2
GE 3341-01-87A1
GE 3341-01-874
3341-01-871A1
FAILURE OF PULSW TO PUMP MOTOR PM2$
ASSUME STEAM ENVIRONMENT INSIDE CONTMNT REQUIRES MOTOR COOLING
OG 4
B1 2-7230-V242-CSP
V242 FAILS CLOSED BEFORE EVENT
0.06, 730.0, 0.0, 0.0
B1 2-7230-V247-CSP
V247 FAILS CLOSED BEFORE EVENT
0.06, 730.0, 0.0, 0.0
D6 7230-02-PULSWTSDC
INADEQUATE PULSW WATER AT REQD PRESS AND TEMP TO SDCS HXS, PUMP MTRS
0.0
U6 2-7230-VSDCP2-CH
ANY PULSW VALVE TO 3341-P2 LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
3341-01-874
FAILURE OF RCW TO P2 GLAND SUPPLY COOLER
OG 4
D6 7220-01-RCWTRH
RCW SYS FL SPLY ADQT H2O AT REQD PRESS & TEMP TO RING HDR
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
0.0
B1 2-3341-P2HX-ITP
HEAT EXCHANGER FAILS PRIOR TO EVENT
12.1, 730.0, 0.0, 0.0
GE 3341-01-874RS
B1 2-7220-V160-CSP
V160 FAILS CLOSED BEFORE EVENT
0.1, 730.0, 0.0, 0.0
3341-01-874RS
FAILURE OF RCW TO P2 GLAND SUPPLY COOLER
OG 2
B1 2-7220-V159-CSP
V159 FAILS CLOSED BEFORE EVENT
0.1, 730.0, 0.0, 0.0
U6 2-7220-VSDCP2-CH
ANY RCW VALVE TO 3341-P2 LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
3341-01-87A1
FAILURE OF NORMAL GLAND SUPPLY TO P2
OG 3
GE 3341-01-87A2
GE 3341-01-80B1
GE 3341-01-87A3
3341-01-87A2
FAILURE OF SUPPLY TO P2 ONLY
OG 3
B1 2-3334-NV110-SC
NV110 STUCK CLOSED
0.1, 730.0, 0.0, 0.0
GE 3341-01-87A2RS
B1 2-3334-V36-CSP
V36 CLOSES SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
3341-01-87A2RS
FAILURE OF SUPPLY TO P2 ONLY
OG 2
B1 2-3334-V40-CSP
V40 CLOSES SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
U6 2-3334-VSDCP2-CH
ANY VALVE IN 3341-P2 SEAL SUPPLY OR RETURN LEFT CLSD AFTER MTCE & NOT DTCTD
0.076
3341-01-87A3
FAILURE OF RETURN FROM P2 ONLY
OG 2
B1 2-3334-V44-CSP
V44 CLOSES SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
U6 2-3334-VSDCP2-CH
ANY VALVE IN 3341-P2 SEAL SUPPLY OR RETURN LEFT CLSD AFTER MTCE & NOT DTCTD
0.076
3341-01-881
CIRCUIT BREAKER 8CB13 FAILS TO CLOSE AND REMAIN CLOSED
OG 3
B6 2-5323-8CB13-SO
CIRCUIT BREAKER 8CB13 FAILS TO CLOSE ON DEMAND
0.0005
U6 2-5323-8CB13-OH
8CB13 LEFT IN RACKED-OUT OR IN TEST POSITION FOLLOWING MAINTENANCE
0.0011
GE 3341-01-882
3341-01-882
COMMAND FAILURE CAUSES 8CB13 TO FAIL TO CLOSE AND REMAIN CLOSED
OG 2
GE 53238CB13PK-SO-X
GE 3341-01-883
53238CB13PK-SO-X
PROGRAMMABLE CONTROLLER FOR 5323-8CB13 FAILS
OG 2
GE 5323-8CB13-PK-SO
D6 5541-32-BU32-UV0
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
FAILURE OF 2-5541-BU32 TO PROVIDE POWER BEFORE EVENT
0.0
5323-8CB13-PK-SO
FAILURE OF CONTROL LOGIC HARDWARE CAUSES 8CB13 TO FAIL TO CLOSE
OG 2
GE PK-0314-401-1-1
GE PK-0314-412-3-1
3341-01-883
8CB13 FAILS OPEN DUE TO FAILURE OF CONTROL SIGNAL TO CONTROL LOGIC
OG 1
B1 2-3341-HS12N-SO
HS12 ON CONTACT FAILS OPEN BEFORE EVENT
11.0, 365.0, 0.0, 0.0
3341-01-921
LOSS NML PWR SUPPLY & PUMP P2 FLS TO START AFT RESTORATION OF POWER
AG 2
GE 3341-01-922
GE 3341-01-923
3341-01-922
P2 FAILS TO RESTART ON RESTORATION OF POWER TO 4.16KV CLASS-III BUS 8
OG 1
GE 3341-01-924
3341-01-924
PUMP MOTOR PM2 FAILS TO RESTART
OG 2
B6 2-3341-PM2-RSF
PM2 FAILS TO RESTART
0.005
GE 3341-01-925
3341-01-925
FAILURE TO RECLOSE 8CB13 ON RESTORATION OF POWER
OG 1
U6 TS-3341-P2-RSF
FAILURE OF CLASS III TRANSFER SCHEME CAUSES P2 TO FAIL TO RESTART
0.0079
3341-01-923
LOSS OF NORMAL POWER SUPPLY TO PUMP P2
OG 1
D6 5314-04-BU4-UV
FAILURE OF 2-5314-BU4 TO PROVIDE POWER
0.0
3341-01-931
NO FLOW TO P2, THAT IS NO FLOW THROUGH V12
OG 3
B1 2-3341-V12-CSP
V12 FAILED CLOSED PRIOR TO INITIATING EVENT
0.1, 365.0, 0.0, 0.0
U6 2-3341-VP2-CH
ANY P2 LEG VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
GE 3341-01-932
3341-01-932
NO FLOW TO V12, THAT IS NO FLOW THROUGH L1 HEADER
OG 1
GE 3341-01-1041
3341-01-941
NO FLOW THROUGH SDCS P3 PUMP PATH, THAT IS NO FLOW THROUGH V17
OG 5
B1 2-3341-V17-CSP
V17 FAILED CLOSED PRIOR TO INITIATING EVENT
0.1, 365.0, 0.0, 0.0
GE 3341-01-942
U6 2-3341-VP3-CH
ANY P3 LEG VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
GE 3341-01-94A1
U2 2-3341-P3LEG-FO
PUMP P3 LEG ON FORCED OUTAGE
39.4, 16.0
3341-01-942
NO FLOW THROUGH NV16
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
OG 2
B1 2-3341-NV16-SC
NV16 FAILED CLOSED PRIOR TO INITIATING EVENT
0.3, 365.0, 0.0, 0.0
GE 3341-01-943
3341-01-943
NO FLOW TO NV16, THAT IS NO FLOW THROUGH P3 PUMP
OG 2
GE 3341-01-951
GE 3341-01-1031
3341-01-94A1
PUMP P3 LEG ON MAINTENANCE OUTAGE
AG 3
GE 3341-01-94A2
U5 2-3341-P3LEG-MO
PUMP P3 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
GE 3341-01-94A3
3341-01-94A2
PUMP P1 LEG NOT ON MAINTENANCE OUTAGE$
'NOT' GATE
NO 1
U5 2-3341-P1LEG-MO
PUMP P1 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
3341-01-94A3
PUMP P2 LEG NOT ON MAINTENANCE OUTAGE$
'NOT' GATE
NO 1
U5 2-3341-P2LEG-MO
PUMP P2 LEG ON MAINTENANCE OUTAGE
0.2, 24.0
3341-01-951
PUMP P3 FAILS TO START AND RUN
OG 2
GE 3341-01-961
GE 3341-01-1021
3341-01-961
PUMP P3 FAILS
OG 3
B1 2-3341-P3-SF
PUMP P3 FAILS TO START
18.70, 365.0, 14.0, 0.0
GE 3341-01-962
GE 3341-01-971
3341-01-962
PUMP-MOTOR PM3 FAILURE
OG 2
GE 3341-01-963
B1 2-3341-PM3-SF
PM3 FAILS TO START
62.0, 365.0, 184.0, 0.0
3341-01-963
NO POWER TO PUMP-MOTOR PM3
OG 3
D6 5323-07-BU7-UV
FAILURE OF 2-5323-BU7 TO PROVIDE POWER
0.0
GE 3341-01-981
B1 2-5323-LPM3-OCP
CABLE AND CONNECTOR FAILURE FAIL OPEN CIRCUITED
1.76, 365.0, 0.0, 0.0
3341-01-971
FAILURE OF P3 SERVICES
OG 2
GE 3341-01-972
GE 3341-01-971A1
3341-01-972
FAILURE OF P3 GLAND SUPPLY COOLING
IG 2
C6 PHT-TEMP-GT-93C
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```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
PHT TEMPERATURE ABOVE 93.3 C
0.03
GE 3341-01-972A1
3341-01-972A1
FAILURE OF P3 GLAND SUPPLY COOLING
AG 2
GE 3341-01-97A1
GE 3341-01-974
3341-01-971A1
FAILURE OF PULSW TO PUMP MOTOR PM3$
ASSUME STEAM ENVIRONMENT INSIDE CONTMNT REQUIRES MOTOR COOLING
OG 4
B1 2-7230-V248-CSP
V248 FAILS CLOSED BEFORE EVENT
0.06, 730.0, 0.0, 0.0
U6 2-7230-VSDCP3-CH
ANY PULSW VALVE TO 3341-P3 LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
D6 7230-02-PULSWTSDC
INADEQUATE PULSW WATER AT REQD PRESS AND TEMP TO SDCS HXS, PUMP MTRS
0.0
B1 2-7230-V253-CSP
V253 FAILS CLOSED BEFORE EVENT
0.06, 730.0, 0.0, 0.0
3341-01-974
FAILURE OF RCW TO P3 GLAND SUPPLY COOLER
OG 4
D6 7220-01-RCWTRH
RCW SYS FL SPLY ADQT H2O AT REQD PRESS & TEMP TO RING HDR
0.0
B1 2-3341-P3HX-ITP
HEAT EXCHANGER FAILS PRIOR TO EVENT
12.1, 730.0, 0.0, 0.0
GE 3341-01-974RS
B1 2-7220-V155-CSP
V155 FAILS CLOSED BEFORE EVENT
0.1, 730.0, 0.0, 0.0
3341-01-974RS
FAILURE OF RCW TO P3 GLAND SUPPLY COOLER
OG 2
B1 2-7220-V154-CSP
V154 FAILED CLOSED BEFORE EVENT
0.1, 730.0, 0.0, 0.0
U6 2-7220-VSDCP3-CH
ANY RCW VALVE TO 3341-P3 LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
3341-01-97A1
FAILURE OF NORMAL GLAND SUPPLY TO P3
OG 3
GE 3341-01-97A2
GE 3341-01-80B1
GE 3341-01-97A3
3341-01-97A2
FAILURE OF SUPPLY TO P3 ONLY
OG 3
B1 2-3334-NV112-SC
NV112 STUCK CLOSED
0.1, 730.0, 0.0, 0.0
GE 3341-01-97A2RS
B1 2-3334-V37-CSP
V37 CLOSES SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
3341-01-97A2RS
FAILURE OF SUPPLY TO P3 ONLY
OG 2
B1 2-3334-V41-CSP
V41 CLOSED SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
U6 2-3334-VSDCP3-CH
ANY VALVE IN 3341-P3 SEAL SUPPLY OR RETRN LEFT CLOSED AFTER MTCE AND NOT DTCTD
0.076
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
3341-01-97A3
FAILURE OF RETURN FROM P3 ONLY
OG 2
B1 2-3334-V45-CSP
V45 CLOSED SPURIOUSLY BEFORE EVENT
0.01, 730.0, 0.0, 0.0
U6 2-3334-VSDCP3-CH
ANY VALVE IN 3341-P3 SEAL SUPPLY OR RETRN LEFT CLOSED AFTER MTCE AND NOT DTCTD
0.076
3341-01-981
CIRCUIT BREAKER 7CB14 FAILS TO CLOSE AND REMAIN CLOSED
OG 3
B6 2-5323-7CB14-SO
CIRCUIT BREAKER 7CB14 FAILS TO CLOSE ON DEMAND
0.0005
U6 2-5323-7CB14-OH
7CB14 LEFT IN RACKED-OUT OR IN TEST POSITION FOLLOWING MAINTENANCE
0.0011
GE 3341-01-982
3341-01-982
COMMAND FAILURE CAUSES 7CB14 TO FAIL TO CLOSE AND REMAIN CLOSED
OG 2
GE 53237CB14PK-SO-X
GE 3341-01-983
53237CB14PK-SO-X
PROGRAMMABLE CONTROLLER FOR 5323-7CB14 FAILS
OG 2
GE 5323-7CB14-PK-SO
D6 5541-31-BU31-UV0
FAILURE OF 2-5541-BU31 TO PROVIDE POWER BEFORE EVENT
0.0
5323-7CB14-PK-SO
FAILURE OF CONTROL LOGIC HARDWARE CAUSES 7CB14 TO FAIL TO CLOSE
OG 2
GE PK-0162-401-1-1
GE PK-0162-412-3-1
3341-01-983
7CB14 FAILS OPEN DUE TO FAILURE OF CONTROL SIGNAL TO CONTROL LOGIC
OG 1
B1 2-3341-HS13N-SO
HS13 ON CONTACT FAILED OPEN BEFORE EVENT
11.0, 365.0, 0.0, 0.0
3341-01-1021
LOSS NML PWR SUPPLY & PUMP P3 FLS TO START AFT RESTORATION OF POWER
AG 2
GE 3341-01-1022
GE 3341-01-1023
3341-01-1022
P3 FAILS TO RESTART ON RESTORATION OF POWER TO 4.16KV CLASS-III BUS 7
OG 1
GE 3341-01-1024
3341-01-1024
PUMP-MOTOR PM3 FAILS TO RESTART
OG 1
GE 3341-01-1025
3341-01-1025
FAILURE TO RECLOSE 7CB14 ON RESTORATION OF POWER
OG 1
U6 TS-3341-P3-RSF
FAILURE OF CLASS III TRANSFER SCHEME CAUSES P3 TO FAIL TO RESTART
0.0079
3341-01-1023
LOSS OF NORMAL POWER SUPPLY TO PUMP P3
OG 1
D6 5314-03-BU3-UV
FAILURE OF 2-5314-BU3 TO PROVIDE POWER
0.0
3341-01-1031
NO FLOW TO P3, THAT IS NO FLOW THROUGH V15
OG 3
B1 2-3341-V15-CSP
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
V15 FAILED CLOSED PRIOR TO INITIATING EVENT
0.1, 365.0, 0.0, 0.0
U6 2-3341-VP3-CH
ANY P3 LEG VALVE LEFT CLOSED AFTER MTCE AND NOT DETECTED
0.038
GE 3341-01-1032
3341-01-1032
NO FLOW TO V15, THAT IS NO FLOW THROUGH L1 HEADER
OG 1
GE 3341-01-1041
3341-01-1041
NO FLOW THRU L1 HDR THAT IS NO FLOW FROM BOTH ROH'S OF EITHER NORTH OR STH LOOPS
OG 2
GE 3341-01-1041A1
GE 3341-01-1041A2
3341-01-1041A1
NO COOLING FLOW FROM BOTH ROH'S OF SOUTH LOOP
AG 2
GE 3341-01-1046
GE 3341-01-1047
3341-01-1041A2
NO COOLING FLOW FROM BOTH ROH'S OF NORTH LOOP
AG 2
GE 3341-01-1044
GE 3341-01-1045
3341-01-1044
NO COOLING FLOW FROM ROH HD1
OG 1
GE 3341-01-1051
3341-01-1045
NO COOLING FLOW FROM ROH HD3
OG 1
GE 3341-01-1071
3341-01-1046
NO COOLING FLOW FROM ROH HD5
OG 1
GE 3341-01-1061
3341-01-1047
NO COOLING FLOW FROM ROH HD7
OG 1
GE 3341-01-1081
3341-01-1051
NO FLOW FROM PHT SYTEM VIA MV1
OG 1
GE 3341-01-41
3341-01-1061
NO FLOW FROM PHT SYSTEM VIA MV5
OG 1
GE 3341-01-91
3341-01-1071
NO FLOW FROM PHT SYSTEM VIA MV7
OG 1
GE 3341-01-131
3341-01-1081
NO FLOW FROM PHT SYSTEM VIA MV3
OG 1
GE 3341-01-181
PK-0015-401-1-1
N.O. CONTACT OF YD401 ON PK0015 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0015-FO
PK0015 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0015-401-1-2
GE PK-0015-401-1-3
GE PK-0015-401-1-4
U1 2-K0015-SO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0015-X1-SO
PK0015 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
0.046, 260.0, 8.5, 0.0
PK-0015-401-1-2
PK0015 COMPONENTS UNIQUE TO OUTPUT YD401 FAIL UNDETECTED
OG 2
U1 2-K0015-401-SO
PK0015 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 260.0, 8.5, 0.0
U1 2-K0015-101-SO
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0015-401-1-4
PK0015 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0015-401-1-7
GE PK-0015-401-1-6
PK-0015-401-1-6
PK0015 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0015-401-1-8
PK-0015-401-1-8
PK0015 ÁLARM CIRCUITRY FAILS
OG 2
U1 2-K0015-416-DC
PK0015 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0015-Y4-DC
PK0015 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0015-401-1-7
PK0015 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0015-Y4-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
0.027
U1 2-K0015-DO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0015-401-1-3
48V D.C. TO PK0015 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0015-410-3-1
N.O. CONTACT OF YC410 ON PK0015 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0015-FO
PK0015 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0015-410-3-2
GE PK-0015-410-3-3
GE PK-0015-410-3-4
U1 2-K0015-SO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0015-X1-SO
PK0015 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0015-410-3-2
PK0015 COMPONENTS UNIQUE TO OUTPUT YC410 FAIL UNDETECTED
OG 2
U1 2-K0015-410-SO
PK0015 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 260.0, 8.5, 0.0
U1 2-K0015-101-SO
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0015-410-3-4
PK0015 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0015-410-3-7
GE PK-0015-410-3-6
PK-0015-410-3-6
PK0015 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0015-410-3-8
PK-0015-410-3-8
PK0015 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0015-416-DC
PK0015 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0015-Y4-DC
PK0015 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0015-410-3-7
PK0015 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0015-DO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0015-410-3-3
48V DC TO PK0015 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0015-401-V-1
N.O. CONTACT OF YD401 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0015-101-CSP
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0015-401-V-4
PK-0015-401-V-4
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0015-Y4-CSP
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0015-X1-CSP
PK0015 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0015-410-W-1
N.O. CONTACT OF YC410 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0015-101-CSP
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0015-410-W-4
PK-0015-410-W-4
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0015-Y4-CSP
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4626, 260.0, 8.5, 0.0
U1 2-K0015-X1-CSP
PK0015 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0015-701-1-1
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
N.O. CONTACT OF YD701 ON PK0015 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0015-FO
PK0015 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0015-701-1-2
GE PK-0015-701-1-3
GE PK-0015-701-1-4
U1 2-K0015-SO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0015-X2-SO
PK0015 COMPONENTS ON I/P CARD X2 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0015-701-1-2
PK0015 COMPONENTS UNIQUE TO OUTPUT YD701 FAIL UNDETECTED
OG 2
U1 2-K0015-701-SO
PK0015 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 260.0, 8.5, 0.0
U1 2-K0015-201-SO
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0015-701-1-4
PK0015 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0015-701-1-7
GE PK-0015-701-1-6
PK-0015-701-1-6
PK0015 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0015-701-1-8
PK-0015-701-1-8
PK0015 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0015-416-DC
PK0015 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0015-Y4-DC
PK0015 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0015-701-1-7
PK0015 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0015-Y7-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0015-DO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0015-701-1-3
48V D.C. TO PK0015 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0015-710-3-1
N.O. CONTACT OF YC710 ON PK0015 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0015-FO
PK0015 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0015-710-3-2
GE PK-0015-710-3-3
GE PK-0015-710-3-4
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
U1 2-K0015-SO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0015-X2-SO
PK0015 COMPONENTS ON I/P CARD X2 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0015-710-3-2
PK0015 COMPONENTS UNIQUE TO OUTPUT YC710 FAIL UNDETECTED
OG 2
U1 2-K0015-710-SO
PK0015 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 260.0, 8.5, 0.0
U1 2-K0015-201-SO
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0015-710-3-4
PK0015 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0015-710-3-7
GE PK-0015-710-3-6
PK-0015-710-3-6
PK0015 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0015-710-3-8
PK-0015-710-3-8
PK0015 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0015-416-DC
PK0015 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0015-Y4-DC
PK0015 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0015-710-3-7
PK0015 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0015-DO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0015-710-3-3
48V DC TO PK0015 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0015-701-V-1
N.O. CONTACT OF YD701 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0015-201-CSP
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0015-701-V-4
PK-0015-701-V-4
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0015-Y7-CSP
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0015-X2-CSP
PK0015 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0015-710-W-1
N.O. CONTACT OF YC710 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0015-201-CSP
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0015-710-W-4
PK-0015-710-W-4
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0015-Y7-CSP
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0015-X2-CSP
PK0015 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0315-401-1-1
N.O. CONTACT OF YD401 ON PK0315 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0315-FO
PK0315 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0315-401-1-2
GE PK-0315-401-1-3
GE PK-0315-401-1-4
U1 2-K0315-SO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0315-X1-SO
PK0315 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0315-401-1-2
PK0315 COMPONENTS UNIQUE TO OUTPUT YD401 FAIL UNDETECTED
OG 2
U1 2-K0315-401-SO
PK0315 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 260.0, 8.5, 0.0
U1 2-K0315-101-SO
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0315-401-1-4
PK0315 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0315-401-1-7
GE PK-0315-401-1-6
PK-0315-401-1-6
PK0315 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0315-401-1-8
PK-0315-401-1-8
PK0315 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0315-416-DC
PK0315 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0315-Y4-DC
PK0315 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0315-401-1-7
PK0315 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0315-Y4-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0315-DO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0315-401-1-3
48V D.C. TO PK0315 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0315-410-3-1
N.O. CONTACT OF YC410 ON PK0315 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0315-FO
PK0315 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0315-410-3-2
GE PK-0315-410-3-3
GE PK-0315-410-3-4
U1 2-K0315-SO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0315-X1-SO
PK0315 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0315-410-3-2
PK0315 COMPONENTS UNIQUE TO OUTPUT YC410 FAIL UNDETECTED
OG 2
U1 2-K0315-410-SO
PK0315 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 260.0, 8.5, 0.0
U1 2-K0315-101-SO
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0315-410-3-4
PK0315 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0315-410-3-7
GE PK-0315-410-3-6
PK-0315-410-3-6
PK0315 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0315-410-3-8
PK-0315-410-3-8
PK0315 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0315-416-DC
PK0315 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0315-Y4-DC
PK0315 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0315-410-3-7
PK0315 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0315-DO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0315-410-3-3
48V DC TO PK0315 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0315-401-V-1
N.O. CONTACT OF YD401 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0315-101-CSP
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0315-401-V-4
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
PK-0315-401-V-4
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0315-Y4-CSP
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0315-X1-CSP
PK0315 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0315-410-W-1
N.O. CONTACT OF YC410 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0315-101-CSP
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0315-410-W-4
PK-0315-410-W-4
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0315-Y4-CSP
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0315-X1-CSP
PK0315 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0315-801-1-1
N.O. CONTACT OF YD801 ON PK0315 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0315-FO
PK0315 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0315-801-1-2
GE PK-0315-801-1-3
GE PK-0315-801-1-4
U1 2-K0315-SO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0315-X2-SO
PK0315 COMPONENTS ON I/P CARD X2 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0315-801-1-2
PK0315 COMPONENTS UNIQUE TO OUTPUT YD801 FAIL UNDETECTED
OG 2
U1 2-K0315-801-SO
PK0315 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 260.0, 8.5, 0.0
U1 2-K0315-201-SO
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0315-801-1-4
PK0315 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0315-801-1-7
GE PK-0315-801-1-6
PK-0315-801-1-6
PK0315 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0315-801-1-8
PK-0315-801-1-8
PK0315 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0315-416-DC
PK0315 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0315-Y4-DC
PK0315 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0315-801-1-7
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
PK0315 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0315-Y8-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0315-DO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 226.0, 8.5, 0.0
PK-0315-801-1-3
48V D.C. TO PK0315 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0315-810-3-1
N.O. CONTACT OF YC810 ON PK0315 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0315-FO
PK0315 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0315-810-3-2
GE PK-0315-810-3-3
GE PK-0315-810-3-4
U1 2-K0315-SO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0315-X2-SO
PK0315 COMPONENTS ON I/P CARD X2 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0315-810-3-2
PK0315 COMPONENTS UNIQUE TO OUTPUT YC810 FAIL UNDETECTED
OG 2
U1 2-K0315-810-SO
PK0315 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 260.0, 8.5, 0.0
U1 2-K0315-201-SO
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0315-810-3-4
PK0315 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0315-810-3-7
GE PK-0315-810-3-6
PK-0315-810-3-6
PK0315 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0315-810-3-8
PK-0315-810-3-8
PK0315 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0315-416-DC
PK0315 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0315-Y4-DC
PK0315 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0315-810-3-7
PK0315 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0315-DO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0315-810-3-3
48V DC TO PK0315 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0315-801-V-1
N.O. CONTACT OF YD801 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0315-201-CSP
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0315-801-V-4
PK-0315-801-V-4
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0315-Y8-CSP
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0315-X2-CSP
PK0315 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0315-810-W-1
N.O. CONTACT OF YC810 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0315-201-CSP
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0315-810-W-4
PK-0315-810-W-4
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0315-Y8-CSP
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0315-X2-CSP
PK0315 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0015-801-1-1
N.O. CONTACT OF YD801 ON PK0015 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0015-FO
PK0015 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0015-801-1-2
GE PK-0015-801-1-3
GE PK-0015-801-1-4
U1 2-K0015-SO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0015-X5-SO
PK0015 COMPONENTS ON I/P CARD X5 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0015-801-1-2
PK0015 COMPONENTS UNIQUE TO OUTPUT YD801 FAIL UNDETECTED
OG 2
U1 2-K0015-801-SO
PK0015 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 260.0, 8.5, 0.0
U1 2-K0015-501-SO
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0015-801-1-4
PK0015 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0015-801-1-7
GE PK-0015-801-1-6
PK-0015-801-1-6
PK0015 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
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```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0015-801-1-8
PK-0015-801-1-8
PK0015 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0015-416-DC
PK0015 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0015-Y4-DC
PK0015 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0015-801-1-7
PK0015 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0015-Y8-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0015-DO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0015-801-1-3
48V D.C. TO PK0015 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0015-810-3-1
N.O. CONTACT OF YC810 ON PK0015 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0015-FO
PK0015 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0015-810-3-2
GE PK-0015-810-3-3
GE PK-0015-810-3-4
U1 2-K0015-SO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0015-X5-SO
PK0015 COMPONENTS ON I/P CARD X5 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0015-810-3-2
PK0015 COMPONENTS UNIQUE TO OUTPUT YC810 FAIL UNDETECTED
OG 2
U1 2-K0015-810-SO
PK0015 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 260.0, 8.5, 0.0
U1 2-K0015-501-SO
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0015-810-3-4
PK0015 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0015-810-3-7
GE PK-0015-810-3-6
PK-0015-810-3-6
PK0015 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0015-810-3-8
PK-0015-810-3-8
PK0015 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0015-416-DC
PK0015 COMPONENT FAILURE UNIQUE TO YC416
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
0.126, 365.0, 8.5, 0.0
U1 2-K0015-Y4-DC
PK0015 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0015-810-3-7
PK0015 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0015-DO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0015-810-3-3
48V DC TO PK0015 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0015-801-V-1
N.O. CONTACT OF YD801 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0015-501-CSP
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0015-801-V-4
PK-0015-801-V-4
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0015-Y8-CSP
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0015-X5-CSP
PK0015 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0015-810-W-1
N.O. CONTACT OF YC810 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0015-501-CSP
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0015-810-W-4
PK-0015-810-W-4
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0015-Y8-CSP
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0015-X5-CSP
PK0015 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0015-805-1-1
N.O. CONTACT OF YD805 ON PK0015 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0015-FO
PK0015 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0015-805-1-2
GE PK-0015-805-1-3
GE PK-0015-805-1-4
U1 2-K0015-SO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0015-X2-SO
PK0015 COMPONENTS ON I/P CARD X2 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0015-805-1-2
PK0015 COMPONENTS UNIQUE TO OUTPUT YD805 FAIL UNDETECTED
OG 2
U1 2-K0015-805-SO
PK0015 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
4.429, 260.0, 8.5, 0.0
U1 2-K0015-216-SO
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0015-805-1-4
PK0015 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0015-805-1-7
GE PK-0015-805-1-6
PK-0015-805-1-6
PK0015 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0015-805-1-8
PK-0015-805-1-8
PK0015 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0015-416-DC
PK0015 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0015-Y4-DC
PK0015 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0015-805-1-7
PK0015 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0015-Y8-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0015-DO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0015-805-1-3
48V D.C. TO PK0015 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0015-812-3-1
N.O. CONTACT OF YC812 ON PK0015 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0015-FO
PK0015 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0015-812-3-2
GE PK-0015-812-3-3
GE PK-0015-812-3-4
U1 2-K0015-SO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0015-X2-SO
PK0015 COMPONENTS ON I/P CARD X2 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0015-812-3-2
PK0015 COMPONENTS UNIQUE TO OUTPUT YC812 FAIL UNDETECTED
OG 2
U1 2-K0015-812-SO
PK0015 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 260.0, 8.5, 0.0
U1 2-K0015-216-SO
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0015-812-3-4
PK0015 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0015-812-3-7
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
GE PK-0015-812-3-6
PK-0015-812-3-6
PK0015 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0015-812-3-8
PK-0015-812-3-8
PK0015 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0015-416-DC
PK0015 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0015-Y4-DC
PK0015 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0015-812-3-7
PK0015 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0015-DO
PK0015 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0015-812-3-3
48V DC TO PK0015 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0015-805-V-1
N.O. CONTACT OF YD805 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0015-216-CSP
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0015-805-V-4
PK-0015-805-V-4
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0015-Y8-CSP
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0015-X2-CSP
PK0015 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0015-812-W-1
N.O. CONTACT OF YC812 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0015-216-CSP
PK0015 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0015-812-W-4
PK-0015-812-W-4
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0015-Y8-CSP
PK0015 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0015-X2-CSP
PK0015 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0315-805-1-1
N.O. CONTACT OF YD805 ON PK0315 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0315-FO
PK0315 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0315-805-1-2
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
GE PK-0315-805-1-3
GE PK-0315-805-1-4
U1 2-K0315-SO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0315-X5-SO
PK0315 COMPONENTS ON I/P CARD X5 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0315-805-1-2
PK0315 COMPONENTS UNIQUE TO OUTPUT YD805 FAIL UNDETECTED
OG 2
U1 2-K0315-805-SO
PK0315 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 260.0, 8.5, 0.0
U1 2-K0315-501-SO
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0315-805-1-4
PK0315 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0315-805-1-7
GE PK-0315-805-1-6
PK-0315-805-1-6
PK0315 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0315-805-1-8
PK-0315-805-1-8
PK0315 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0315-416-DC
PK0315 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0315-Y4-DC
PK0315 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0315-805-1-7
PK0315 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0315-Y8-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0315-DO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0315-805-1-3
48V D.C. TO PK0315 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0315-812-3-1
N.O. CONTACT OF YC812 ON PK0315 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0315-FO
PK0315 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0315-812-3-2
GE PK-0315-812-3-3
GE PK-0315-812-3-4
U1 2-K0315-SO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0315-X5-SO
PK0315 COMPONENTS ON I/P CARD X5 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
PK-0315-812-3-2
PK0315 COMPONENTS UNIQUE TO OUTPUT YC812 FAIL UNDETECTED
OG 2
U1 2-K0315-812-SO
PK0315 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 260.0, 8.5, 0.0
U1 2-K0315-501-SO
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0315-812-3-4
PK0315 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0315-812-3-7
GE PK-0315-812-3-6
PK-0315-812-3-6
PK0315 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0315-812-3-8
PK-0315-812-3-8
PK0315 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0315-416-DC
PK0315 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0315-Y4-DC
PK0315 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0315-812-3-7
PK0315 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0315-DO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0315-812-3-3
48V DC TO PK0315 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0315-805-V-1
N.O. CONTACT OF YD805 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0315-501-CSP
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0315-805-V-4
PK-0315-805-V-4
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0315-Y8-CSP
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0315-X5-CSP
PK0315 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0315-812-W-1
N.O. CONTACT OF YC812 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0315-501-CSP
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0315-812-W-4
PK-0315-812-W-4
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
U1 2-K0315-Y8-CSP
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0315-X5-CSP
PK0315 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0315-701-1-1
N.O. CONTACT OF YD701 ON PK0315 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0315-FO
PK0315 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0315-701-1-2
GE PK-0315-701-1-3
GE PK-0315-701-1-4
U1 2-K0315-SO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0315-X2-SO
PK0315 COMPONENTS ON I/P CARD X2 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0315-701-1-2
PK0315 COMPONENTS UNIQUE TO OUTPUT YD701 FAIL UNDETECTED
OG 2
U1 2-K0315-701-SO
PK0315 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 260.0, 8.5, 0.0
U1 2-K0315-216-SO
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0315-701-1-4
PK0315 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0315-701-1-7
GE PK-0315-701-1-6
PK-0315-701-1-6
PK0315 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0315-701-1-8
PK-0315-701-1-8
PK0315 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0315-416-DC
PK0315 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0315-Y4-DC
PK0315 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0315-701-1-7
PK0315 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0315-Y7-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0315-DO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0315-701-1-3
48V D.C. TO PK0315 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0315-710-3-1
N.O. CONTACT OF YC710 ON PK0315 FAILS TO CLOSE ON DEMAND
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
OG 6
U2 2-K0315-FO
PK0315 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0315-710-3-2
GE PK-0315-710-3-3
GE PK-0315-710-3-4
U1 2-K0315-SO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0315-X2-SO
PK0315 COMPONENTS ON I/P CARD X2 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0315-710-3-2
PK0315 COMPONENTS UNIQUE TO OUTPUT YC710 FAIL UNDETECTED
OG 2
U1 2-K0315-710-SO
PK0315 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 260.0, 8.5, 0.0
U1 2-K0315-216-SO
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0315-710-3-4
PK0315 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0315-710-3-7
GE PK-0315-710-3-6
PK-0315-710-3-6
PK0315 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0315-710-3-8
PK-0315-710-3-8
PK0315 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0315-416-DC
PK0315 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0315-Y4-DC
PK0315 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0315-710-3-7
PK0315 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0315-DO
PK0315 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 260.0, 8.5, 0.0
PK-0315-710-3-3
48V DC TO PK0315 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0315-701-V-1
N.O. CONTACT OF YD701 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0315-216-CSP
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0315-701-V-4
PK-0315-701-V-4
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0315-Y7-CSP
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
U1 2-K0315-X2-CSP
PK0315 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0315-710-W-1
N.O. CONTACT OF YC710 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0315-216-CSP
PK0315 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 260.0, 8.5, 0.0
GE PK-0315-710-W-4
PK-0315-710-W-4
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0315-Y7-CSP
PK0315 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 260.0, 8.5, 0.0
U1 2-K0315-X2-CSP
PK0315 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 260.0, 8.5, 0.0
PK-0317-805-4-1
N.O. CONTACT OF YD805 ON PK0317 FAILS TO OPEN ON DEMAND
OG 4
GE PK-0317-805-4-4
GE PK-0317-805-4-2
U1 2-K0317-SO
PK0317 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0317-X5-SC
PK0317 COMPONENTS ON I/P CARD X5 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0317-805-4-2
PK0317 COMPONENTS UNIQUE TO OUTPUT YD805 FAIL UNDETECTED
OG 2
U1 2-K0317-805-SC
PK0317 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
3.09, 260.0, 8.5, 0.0
U1 2-K0317-519-SC
PK0317 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0317-805-4-4
PK0317 UNDETECTED COMPONENT FAILURE
AG 2
GE PK-0317-805-4-7
GE PK-0317-805-4-6
PK-0317-805-4-6
PK0317 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0317-805-4-8
PK-0317-805-4-8
PK0317 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0317-416-DC
PK0317 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0317-Y4-DC
PK0317 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0317-805-4-7
PK0317 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0317-Y8-DC
PK0317 OUTPUT BOARD FAILURES COMMON TO ALL RELAYS ON THE OUTPUT BOARD
0.662, 260.0, 8.5, 0.0
PK-0317-704-4-1
N.O. CONTACT OF YD704 ON PK0317 FAILS TO OPEN ON DEMAND
OG 4
GE PK-0317-704-4-4
GE PK-0317-704-4-2
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
U1 2-K0317-SO
PK0317 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 260.0, 8.5, 0.0
U1 2-K0317-X5-SC
PK0317 COMPONENTS ON I/P CARD X5 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 260.0, 8.5, 0.0
PK-0317-704-4-2
PK0317 COMPONENTS UNIQUE TO OUTPUT YD704 FAIL UNDETECTED
OG 2
U1 2-K0317-704-SC
PK0317 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
3.09, 260.0, 8.5, 0.0
U1 2-K0317-522-SC
PK0317 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 260.0, 8.5, 0.0
PK-0317-704-4-4
PK0317 UNDETECTED COMPONENT FAILURE
AG 2
GE PK-0317-704-4-7
GE PK-0317-704-4-6
PK-0317-704-4-6
PK0317 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0317-704-4-8
PK-0317-704-4-8
PK0317 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0317-416-DC
PK0317 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0317-Y4-DC
PK0317 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0317-704-4-7
PK0317 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0317-Y7-DC
PK0317 OUTPUT BOARD FAILURES COMMON TO ALL RELAYS ON THE OUTPUT BOARD
0.662, 260.0, 8.5, 0.0
PK-0017-401-V-1
N.O. CONTACT OF YD401 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0017-101-CSP
PK0017 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 365.0, 8.5, 0.0
GE PK-0017-401-V-4
PK-0017-401-V-4
PK0017 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0017-Y4-CSP
PK0017 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 365.0, 8.5, 0.0
U1 2-K0017-X1-CSP
PK0017 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 365.0, 8.5, 0.0
PK-0017-410-W-1
N.O. CONTACT OF YC410 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0017-101-CSP
PK0017 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 365.0, 8.5, 0.0
GE PK-0017-410-W-4
PK-0017-410-W-4
PK0017 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0017-Y4-CSP
PK0017 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 365.0, 8.5, 0.0
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
U1 2-K0017-X1-CSP
PK0017 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 365.0, 8.5, 0.0
PK-0017-802-V-1
N.O. CONTACT OF YD802 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0017-502-CSP
PK0017 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 365.0, 8.5, 0.0
GE PK-0017-802-V-4
PK-0017-802-V-4
PK0017 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0017-Y8-CSP
PK0017 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 365.0, 8.5, 0.0
U1 2-K0017-X5-CSP
PK0017 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 365.0, 8.5, 0.0
PK-0017-809-W-1
N.O. CONTACT OF YC809 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0017-502-CSP
PK0017 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 365.0, 8.5, 0.0
GE PK-0017-809-W-4
PK-0017-809-W-4
PK0017 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0017-Y8-CSP
PK0017 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 365.0, 8.5, 0.0
U1 2-K0017-X5-CSP
PK0017 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 365.0, 8.5, 0.0
PK-0317-402-V-1
N.O. CONTACT OF YD402 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0317-102-CSP
PK0317 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 365.0, 8.5, 0.0
GE PK-0317-402-V-4
PK-0317-402-V-4
PK0317 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0317-Y4-CSP
PK0317 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 365.0, 8.5, 0.0
U1 2-K0317-X1-CSP
PK0317 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 365.0, 8.5, 0.0
PK-0317-409-W-1
N.O. CONTACT OF YC409 CLOSES SPURIOUSLY PRIOR TO MISSION
OG 2
U1 2-K0317-102-CSP
PK0317 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.127, 365.0, 8.5, 0.0
GE PK-0317-409-W-4
PK-0317-409-W-4
PK0317 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
OG 2
U1 2-K0317-Y4-CSP
PK0317 COMPONENTS COMMON TO ALL RELAYS ON OUTPUT BOARD FAIL
0.4826, 365.0, 8.5, 0.0
U1 2-K0317-X1-CSP
PK0317 COMPONENTS ON I/P BOARD CMN TO MORE THAN ONE O/P RELAY FAIL
0.0462, 365.0, 8.5, 0.0
PK-0014-401-1-1
N.O. CONTACT OF YD401 ON PK0014 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0014-FO
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
K0014 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0014-401-1-2
GE PK-0014-401-1-3
GE PK-0014-401-1-4
U1 2-K0014-SO
PK0014 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 365.0, 8.5, 0.0
U1 2-K0014-X1-SO
PK0014 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 365.0, 8.5, 0.0
PK-0014-401-1-2
PK0014 COMPONENTS UNIQUE TO OUTPUT YD401 FAIL UNDETECTED
OG 2
U1 2-K0014-401-SO
PK0014 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 365.0, 8.5, 0.0
U1 2-K0014-101-SO
PK0014 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 365.0, 8.5, 0.0
PK-0014-401-1-4
PK0014 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0014-401-1-7
GE PK-0014-401-1-6
PK-0014-401-1-6
PK0014 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0014-401-1-8
PK-0014-401-1-8
PK0014 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0014-416-DC
PK0014 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0014-Y4-DC
PK0014 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0014-401-1-7
PK0014 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0014-Y4-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0014-DO
PK0014 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 365.0, 8.5, 0.0
PK-0014-401-1-3
48V D.C. TO PK0014 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0014-412-3-1
N.O. CONTACT OF YC412 ON PK0014 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0014-FO
PK0014 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0014-412-3-2
GE PK-0014-412-3-3
GE PK-0014-412-3-4
U1 2-K0014-SO
PK0014 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 365.0, 8.5, 0.0
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
U1 2-K0014-X1-SO
PK0014 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 365.0, 8.5, 0.0
PK-0014-412-3-2
PK0014 COMPONENTS UNIQUE TO OUTPUT YC412 FAIL UNDETECTED
OG 2
U1 2-K0014-412-SO
PK0014 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 365.0, 8.5, 0.0
U1 2-K0014-101-SO
PK0014 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 365.0, 8.5, 0.0
PK-0014-412-3-4
PK0014 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0014-412-3-7
GE PK-0014-412-3-6
PK-0014-412-3-6
PK0014 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0014-412-3-8
PK-0014-412-3-8
PK0014 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0014-416-DC
PK0014 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0014-Y4-DC
PK0014 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0014-412-3-7
PK0014 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0014-DO
PK0014 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 365.0, 8.5, 0.0
PK-0014-412-3-3
48V DC TO PK0014 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS28-FO
DISCONNECT SWITCH DS28 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0314-401-1-1
N.O. CONTACT OF YD401 ON PK0314 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0314-FO
PK0314 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0314-401-1-2
GE PK-0314-401-1-3
GE PK-0314-401-1-4
U1 2-K0314-SO
PK0314 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 365.0, 8.5, 0.0
U1 2-K0314-X1-SO
PK0314 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 365.0, 8.5, 0.0
PK-0314-401-1-2
PK0314 COMPONENTS UNIQUE TO OUTPUT YD401 FAIL UNDETECTED
OG 2
U1 2-K0314-401-SO
PK0314 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 365.0, 8.5, 0.0
U1 2-K0314-101-SO
PK0314 INPUT BOARD FAILURES UNIQUE TO PROCESS
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```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
3.129, 365.0, 8.5, 0.0
PK-0314-401-1-4
PK0314 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0314-401-1-7
GE PK-0314-401-1-6
PK-0314-401-1-6
PK0314 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0314-401-1-8
PK-0314-401-1-8
PK0314 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0314-416-DC
PK0314 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0314-Y4-DC
PK0314 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0314-401-1-7
PK0314 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0314-Y4-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0314-DO
PK0314 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 365.0, 8.5, 0.0
PK-0314-401-1-3
48V D.C. TO PK0314 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0314-412-3-1
N.O. CONTACT OF YC412 ON PK0314 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0314-FO
PK0314 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0314-412-3-2
GE PK-0314-412-3-3
GE PK-0314-412-3-4
U1 2-K0314-SO
PK0314 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 365.0, 8.5, 0.0
U1 2-K0314-X1-SO
PK0314 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 365.0, 8.5, 0.0
PK-0314-412-3-2
PK0314 COMPONENTS UNIQUE TO OUTPUT YC412 FAIL UNDETECTED
OG 2
U1 2-K0314-412-SO
PK0314 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 365.0, 8.5, 0.0
U1 2-K0314-101-SO
PK0314 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 365.0, 8.5, 0.0
PK-0314-412-3-4
PK0314 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0314-412-3-7
GE PK-0314-412-3-6
PK-0314-412-3-6
PK0314 COMPONENT FAILURE NOT DETECTED
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0314-412-3-8
PK-0314-412-3-8
PK0314 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0314-416-DC
PK0314 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0314-Y4-DC
PK0314 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0314-412-3-7
PK0314 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0314-DO
PK0314 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 365.0, 8.5, 0.0
PK-0314-412-3-3
48V DC TO PK0314 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-B4-DS28-FO
DISCONNECT SWITCH DS28 OF BUB4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-02-BUB4-UV0
FAILURE OF 2-5551-BUB4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0162-401-1-1
N.O. CONTACT OF YD401 ON PK0162 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0162-FO
PK0162 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0162-401-1-2
GE PK-0162-401-1-3
GE PK-0162-401-1-4
U1 2-K0162-SO
PK0162 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 365.0, 8.5, 0.0
U1 2-K0162-X1-SO
PK0162 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 365.0, 8.5, 0.0
PK-0162-401-1-2
PK0162 COMPONENTS UNIQUE TO OUTPUT YD401 FAIL UNDETECTED
OG 2
U1 2-K0162-401-SO
PK0162 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.429, 365.0, 8.5, 0.0
U1 2-K0162-101-SO
PK0162 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 365.0, 8.5, 0.0
PK-0162-401-1-4
PK0162 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0162-401-1-7
GE PK-0162-401-1-6
PK-0162-401-1-6
PK0162 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0162-401-1-8
PK-0162-401-1-8
PK0162 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0162-416-DC
PK0162 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
U1 2-K0162-Y4-DC
PK0162 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0162-401-1-7
PK0162 DETECTABLE COMPONENT FAILURES
OG 2
U6 2-K0162-Y4-OH
OPERATOR LEAVES OUTPUT BOARD DISABLE SWITCH IN DISABLE STATE AFTER MTCE
.027
U1 2-K0162-DO
PK0162 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
30.954, 365.0, 8.5, 0.0
PK-0162-401-1-3
48V D.C. TO PK0162 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS6-FO
DISCONNECT SWITCH DS6 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
PK-0162-412-3-1
N.O. CONTACT OF YC412 ON PK0162 FAILS TO CLOSE ON DEMAND
OG 6
U2 2-K0162-FO
PK0162 ON FORCED MAINTENANCE OUTAGE
430.0, 8.5
GE PK-0162-412-3-2
GE PK-0162-412-3-3
GE PK-0162-412-3-4
U1 2-K0162-SO
PK0162 COMPONENTS COMMON TO ALL OUTPUTS FAIL UNDETECTED
8.9, 365.0, 8.5, 0.0
U1 2-K0162-X1-SO
PK0162 COMPONENTS ON I/P CARD X1 CMN TO MORE THAN ONE O/P RELAY FL UNDETECTED
0.046, 365.0, 8.5, 0.0
PK-0162-412-3-2
PK0162 COMPONENTS UNIQUE TO OUTPUT YC412 FAIL UNDETECTED
OG 2
U1 2-K0162-412-SO
PK0162 OUTPUT BOARD FAILURES UNIQUE TO PROCESS
4.7697, 365.0, 8.5, 0.0
U1 2-K0162-101-SO
PK0162 INPUT BOARD FAILURES UNIQUE TO PROCESS
3.129, 365.0, 8.5, 0.0
PK-0162-412-3-4
PK0162 COMPONENT FAILURE AND FAILURE NOT DETECTED
AG 2
GE PK-0162-412-3-7
GE PK-0162-412-3-6
PK-0162-412-3-6
PK0162 COMPONENT FAILURE NOT DETECTED
OG 2
U6 608-PK-00-DH
FAILURE OF THE OPERATOR TO RECOGNIZE AND CORRECT PK0162 FAILURE
0.007
GE PK-0162-412-3-8
PK-0162-412-3-8
PK0162 ALARM CIRCUITRY FAILS
OG 2
U1 2-K0162-416-DC
PK0162 COMPONENT FAILURE UNIQUE TO YC416
0.126, 365.0, 8.5, 0.0
U1 2-K0162-Y4-DC
PK0162 COMPONENT FAILURE COMMON TO OUTPUT BOARD NO.4
0.662, 365.0, 8.5, 0.0
PK-0162-412-3-7
PK0162 DETECTABLE COMPONENT FAILURES
OG 1
U1 2-K0162-DO
PK0162 COMPONENTS COMMON TO ALL OUTPUTS OF THE PC FAIL
```

```
----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
30.954, 365.0, 8.5, 0.0
PK-0162-412-3-3
48V DC TO PK0162 OR CONTROLLED DEVICE FAILS PRIOR TO DEMAND
OG 2
B2 2-5551-A4-DS6-FO
DISCONNECT SWITCH DS6 OF BUA4 OPENS SPURIOUSLY PRIOR TO DEMAND
1.3, 10.4
D6 5551-01-BUA4-UV0
FAILURE OF 2-5551-BUA4 TO PROVIDE POWER BEFORE EVENT
0.0
```

5.5 File : SDC_PEOUT

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-3330-PC-LH      6 1.0000E-03
2-3334-HS32C-SC   1 1.1000E-02 1.100E+01 7.300E+02 0.000E+00 0.000E+00
2-3334-HV108-SC   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-3334-HV110-SC   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-3334-HV112-SC   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-3334-HV48-SC    1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-3334-PV32-SC    1 5.5300E-02 5.530E+01 7.300E+02 0.000E+00 0.000E+00
2-3334-SV32-SC    1 8.7000E-03 8.700E+00 7.300E+02 0.000E+00 0.000E+00
2-3334-V35-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-V36-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-V37-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-V39-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-V40-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-V41-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-V43-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-V44-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-V45-CSP    1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
2-3334-VSDCP1-CH  6 7.6000E-02
2-3334-VSDCP2-CH  6 7.6000E-02
2-3334-VSDCP3-CH  6 7.6000E-02
2-3341-CSDCS-FO   2 8.3339E-04 4.298E+02 1.700E+01
2-3341-HS11N-SO   1 5.5000E-03 1.100E+01 3.650E+02 0.000E+00 0.000E+00
2-3341-HS12N-SO   1 5.5000E-03 1.100E+01 3.650E+02 0.000E+00 0.000E+00
2-3341-HS13N-SO   1 5.5000E-03 1.100E+01 3.650E+02 0.000E+00 0.000E+00
2-3341-HS1O-CSP   1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS1O-SO    1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS21C-OSP  1 1.0000E-02 1.000E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-HS21O-CSP  1 5.0000E-03 1.000E+01 3.650E+02 0.000E+00 0.000E+00
2-3341-HS22C-CSP  1 5.0000E-03 1.000E+01 3.650E+02 0.000E+00 0.000E+00
2-3341-HS25C-CSP  1 5.0000E-03 1.000E+01 3.650E+02 0.000E+00 0.000E+00
2-3341-HS2O-CSP   1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS2O-SO    1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS3O-CSP   1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS3O-SO    1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS4O-CSP   1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS4O-SO    1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS5O-CSP   1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS5O-SO    1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS6O-CSP   1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS6O-SO    1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS7OC-SC   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS7O-CSP   1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS7O-SO    1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS8OC-SC   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS8O-CSP   1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HS8O-SO    1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-HX1-ITP    1 9.1000E-03 9.100E+00 7.300E+02 0.000E+00 0.000E+00
2-3341-HX1-MO     5 3.8356E-03 2.000E-01 1.680E+02
2-3341-HX2-ITP    1 9.1000E-03 9.100E+00 7.300E+02 0.000E+00 0.000E+00
2-3341-HX2-MO     5 3.8356E-03 2.000E-01 1.680E+02
2-3341-LHX1-FO    2 6.8227E-04 3.560E+01 1.680E+02
2-3341-LHX2-FO    2 6.8227E-04 3.560E+01 1.680E+02
2-3341-LSDC2-EL   6 1.0000E-01
2-3341-MV1-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV1EPO-DH  6 2.7000E-01
2-3341-MV1S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV1S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-MV2-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV21-DH    6 2.7000E-01
2-3341-MV21-OSP   1 2.0000E-04 4.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-MV21S-OSP  1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-MV22-CH    6 1.1000E-02
2-3341-MV22-CSP   1 5.5000E-04 1.100E+00 3.650E+02 0.000E+00 0.000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-3341-MV22-DH    6 2.7000E-01
2-3341-MV22S-CSP  1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-MV25-CH    6 1.1000E-02
2-3341-MV25-CSP   1 5.5000E-04 1.100E+00 3.650E+02 0.000E+00 0.000E+00
2-3341-MV25-DH    6 2.7000E-01
2-3341-MV25S-CSP  1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-MV2EPO-DH  6 2.7000E-01
2-3341-MV2S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV2S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-MV3-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV3EPO-DH  6 2.7000E-01
2-3341-MV3S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV3S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-MV4-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV4EPO-DH  6 2.7000E-01
2-3341-MV4S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV4S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-MV5-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV5EPO-DH  6 2.7000E-01
2-3341-MV5S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV5S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-MV6-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV6EPO-DH  6 2.7000E-01
2-3341-MV6S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV6S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-MV7-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV7EPO-DH  6 2.7000E-01
2-3341-MV7S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV7S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-MV8-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV8EPO-DH  6 2.7000E-01
2-3341-MV8S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
2-3341-MV8S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-NV10-SC    1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-NV13-OSP   1 9.4000E-03 9.400E+00 7.300E+02 0.000E+00 0.000E+00
2-3341-NV13-SC    1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-NV16-OSP   1 9.4000E-03 9.400E+00 7.300E+02 0.000E+00 0.000E+00
2-3341-NV16-SC    1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-P1-SF      1 9.3799E-03 1.870E+01 3.650E+02 1.400E+01 0.000E+00
2-3341-P1HX-ITP   1 1.2100E-02 1.210E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-P1LEG-FO   2 7.1958E-05 3.940E+01 1.600E+01
2-3341-P1LEG-MO   5 5.4795E-04 2.000E-01 2.400E+01
2-3341-P2-SF      1 9.3799E-03 1.870E+01 3.650E+02 1.400E+01 0.000E+00
2-3341-P2HX-ITP   1 1.2100E-02 1.210E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-P2LEG-FO   2 7.1958E-05 3.940E+01 1.600E+01
2-3341-P2LEG-MO   5 5.4795E-04 2.000E-01 2.400E+01
2-3341-P3-SF      1 9.3799E-03 1.870E+01 3.650E+02 1.400E+01 0.000E+00
2-3341-P3HX-ITP   1 1.2100E-02 1.210E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-P3LEG-FO   2 7.1958E-05 3.940E+01 1.600E+01
2-3341-P3LEG-MO   5 5.4795E-04 2.000E-01 2.400E+01
2-3341-PM1-SF     1 3.2302E-02 6.200E+01 3.650E+02 1.840E+02 0.000E+00
2-3341-PM2-RSF    6 5.0000E-03
2-3341-PM2-SF     1 3.2302E-02 6.200E+01 3.650E+02 1.840E+02 0.000E+00
2-3341-PM3-SF     1 3.2302E-02 6.200E+01 3.650E+02 1.840E+02 0.000E+00
2-3341-PV6566-OH  6 1.3000E-03
2-3341-PV70-SC    1 1.9696E-02 5.530E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-PV80-SC    1 1.9696E-02 5.530E+01 2.600E+02 0.000E+00 0.000E+00
2-3341-SDC2-CH    6 9.0000E-04
2-3341-SDC2WU-CH  6 5.4000E-02
2-3341-SV70-SC    1 3.0986E-03 8.700E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-SV80-SC    1 3.0986E-03 8.700E+00 2.600E+02 0.000E+00 0.000E+00
2-3341-TC1-HOP    1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
2-3341-TC2-HOP    1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
2-3341-TE1-LOP    1 1.3000E-02 1.300E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-TE2-LOP    1 1.3000E-02 1.300E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-TETT-RECH  6 1.3000E-03
2-3341-TT1-LOP    1 3.5000E-02 3.500E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-TT2-LOP    1 3.5000E-02 3.500E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-TY1-HOP    1 1.6400E-02 1.640E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-TY2-HOP    1 1.6400E-02 1.640E+01 7.300E+02 0.000E+00 0.000E+00
2-3341-V11-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-3341-V12-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-V14-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-V15-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-V17-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-V23-CH     6 6.6000E-03
2-3341-V23-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-V26-CH     6 6.6000E-03
2-3341-V26-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-V9-CSP     1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
2-3341-VP1-CH     6 3.8000E-02
2-3341-VP2-CH     6 3.8000E-02
2-3341-VP3-CH     6 3.8000E-02
2-5323-7CB13-OH   6 1.1000E-03
2-5323-7CB13-SO   6 5.0000E-04
2-5323-7CB14-OH   6 1.1000E-03
2-5323-7CB14-SO   6 5.0000E-04
2-5323-8CB13-OH   6 1.1000E-03
2-5323-8CB13-SO   6 5.0000E-04
2-5323-LPM1-OCP   1 8.8000E-04 1.760E+00 3.650E+02 0.000E+00 0.000E+00
2-5323-LPM2-OCP   1 8.8000E-04 1.760E+00 3.650E+02 0.000E+00 0.000E+00
2-5323-LPM3-OCP   1 8.8000E-04 1.760E+00 3.650E+02 0.000E+00 0.000E+00
2-5333-13CB6-FO   2 2.6027E-06 1.900E+00 1.200E+01
2-5333-14CB6-FO   2 2.6027E-06 1.900E+00 1.200E+01
2-5333-MCC351-FO  2 4.3950E-06 3.500E+00 1.100E+01
2-5333-MCC352-FO  2 4.3950E-06 3.500E+00 1.100E+01
2-5551-A4-DS6-FO  2 1.5434E-06 1.300E+00 1.040E+01
2-7220-V154-CSP   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-7220-V155-CSP   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-7220-V159-CSP   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-7220-V160-CSP   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-7220-V164-CSP   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-7220-V165-CSP   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
2-7220-VSDCP1-CH  6 3.8000E-02
2-7220-VSDCP2-CH  6 3.8000E-02
2-7220-VSDCP3-CH  6 3.8000E-02
2-7230-LHX1-FO    2 1.9704E-04 1.079E+02 1.600E+01
2-7230-LHX2-FO    2 1.9704E-04 1.079E+02 1.600E+01
2-7230-TCV111-SC  1 1.5800E-02 1.580E+01 7.300E+02 0.000E+00 0.000E+00
2-7230-TCV121-SC  1 1.5800E-02 1.580E+01 7.300E+02 0.000E+00 0.000E+00
2-7230-V11-CSP    1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
2-7230-V12-SC     1 2.0000E-03 2.000E+00 7.300E+02 0.000E+00 0.000E+00
2-7230-V236-CSP   1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
2-7230-V241-CSP   1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
2-7230-V242-CSP   1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
2-7230-V247-CSP   1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
2-7230-V248-CSP   1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
2-7230-V253-CSP   1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
2-7230-V57-CSP    1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
2-7230-V58-CSP    1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
2-7230-V60-SC     1 2.0000E-03 2.000E+00 7.300E+02 0.000E+00 0.000E+00
2-7230-V61-CH     6 2.0000E-03
2-7230-V61-CSP    1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
2-7230-VHX1-CH    6 2.0000E-03
2-7230-VSDCP1-CH  6 3.8000E-02
2-7230-VSDCP2-CH  6 3.8000E-02
2-7230-VSDCP3-CH  6 3.8000E-02
2-K0014-101-SO    1 1.5675E-03 3.129E+00 3.650E+02 8.500E+00 0.000E+00
2-K0014-401-SO    1 2.2188E-03 4.429E+00 3.650E+02 8.500E+00 0.000E+00
2-K0014-412-SO    1 2.3895E-03 4.770E+00 3.650E+02 8.500E+00 0.000E+00
2-K0014-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
2-K0014-DO        1 1.5507E-02 3.095E+01 3.650E+02 8.500E+00 0.000E+00
2-K0014-FO        2 4.1706E-04 4.300E+02 8.500E+00
2-K0014-SO        1 4.4586E-03 8.900E+00 3.650E+02 8.500E+00 0.000E+00
2-K0014-X1-SO     1 2.3045E-05 4.600E-02 3.650E+02 8.500E+00 0.000E+00
2-K0014-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
2-K0014-Y4-OH     6 2.7000E-02
2-K0015-101-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-101-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-201-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-201-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-216-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-K0015-216-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-401-SO    1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-410-SO    1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
2-K0015-501-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-501-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-701-SO    1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-710-SO    1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-801-SO    1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-805-SO    1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-810-SO    1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-812-SO    1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-DO        1 1.1055E-02 3.095E+01 2.600E+02 8.500E+00 0.000E+00
2-K0015-FO        2 4.1706E-04 4.300E+02 8.500E+00
2-K0015-SO        1 3.1785E-03 8.900E+00 2.600E+02 8.500E+00 0.000E+00
2-K0015-X1-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
2-K0015-X1-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
2-K0015-X2-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
2-K0015-X2-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
2-K0015-X5-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
2-K0015-X5-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
2-K0015-Y4-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
2-K0015-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
2-K0015-Y4-OH     6 2.7000E-02
2-K0015-Y7-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
2-K0015-Y7-OH     6 2.7000E-02
2-K0015-Y8-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
2-K0015-Y8-OH     6 2.7000E-02
2-K0017-101-CSP   1 1.5665E-03 3.127E+00 3.650E+02 8.500E+00 0.000E+00
2-K0017-502-CSP   1 1.5665E-03 3.127E+00 3.650E+02 8.500E+00 0.000E+00
2-K0017-X1-CSP    1 2.3145E-05 4.620E-02 3.650E+02 8.500E+00 0.000E+00
2-K0017-X5-CSP    1 2.3145E-05 4.620E-02 3.650E+02 8.500E+00 0.000E+00
2-K0017-Y4-CSP    1 2.4177E-04 4.826E-01 3.650E+02 8.500E+00 0.000E+00
2-K0017-Y8-CSP    1 2.4177E-04 4.826E-01 3.650E+02 8.500E+00 0.000E+00
2-K0162-101-SO    1 1.5675E-03 3.129E+00 3.650E+02 8.500E+00 0.000E+00
2-K0162-401-SO    1 2.2188E-03 4.429E+00 3.650E+02 8.500E+00 0.000E+00
2-K0162-412-SO    1 2.3895E-03 4.770E+00 3.650E+02 8.500E+00 0.000E+00
2-K0162-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
2-K0162-DO        1 1.5507E-02 3.095E+01 3.650E+02 8.500E+00 0.000E+00
2-K0162-FO        2 4.1706E-04 4.300E+02 8.500E+00
2-K0162-SO        1 4.4586E-03 8.900E+00 3.650E+02 8.500E+00 0.000E+00
2-K0162-X1-SO     1 2.3045E-05 4.600E-02 3.650E+02 8.500E+00 0.000E+00
2-K0162-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
2-K0162-Y4-OH     6 2.7000E-02
2-K0314-101-SC    1 1.5675E-03 3.129E+00 3.650E+02 8.500E+00 0.000E+00
2-K0314-401-SO    1 2.2188E-03 4.429E+00 3.650E+02 8.500E+00 0.000E+00
2-K0314-412-SO    1 2.3895E-03 4.770E+00 3.650E+02 8.500E+00 0.000E+00
2-K0314-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
2-K0314-DO        1 1.5507E-02 3.095E+01 3.650E+02 8.500E+00 0.000E+00
2-K0314-FO        2 4.1706E-04 4.300E+02 8.500E+00
2-K0314-SO        1 4.4586E-03 8.900E+00 3.650E+02 8.500E+00 0.000E+00
2-K0314-X1-SO     1 2.3045E-05 4.600E-02 3.650E+02 8.500E+00 0.000E+00
2-K0314-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
2-K0314-Y4-OH     6 2.7000E-02
2-K0315-101-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-101-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-201-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-201-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-216-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-216-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-401-SO    1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-410-SO    1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
2-K0315-501-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-501-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-701-SO    1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-710-SO    1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-801-SO    1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-805-SO    1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-810-SO    1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-812-SO    1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-K0315-DO        1 1.1055E-02 3.095E+01 2.600E+02 8.500E+00 0.000E+00
2-K0315-FO        2 4.1706E-04 4.300E+02 8.500E+00
2-K0315-SO        1 3.1785E-03 8.900E+00 2.600E+02 8.500E+00 0.000E+00
2-K0315-X1-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
2-K0315-X1-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
2-K0315-X2-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
2-K0315-X2-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
2-K0315-X5-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
2-K0315-X5-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
2-K0315-Y4-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
2-K0315-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
2-K0315-Y4-OH     6 2.7000E-02
2-K0315-Y7-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
2-K0315-Y7-OH     6 2.7000E-02
2-K0315-Y8-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
2-K0315-Y8-OH     6 2.7000E-02
2-K0317-102-CSP   1 1.5665E-03 3.127E+00 3.650E+02 8.500E+00 0.000E+00
2-K0317-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
2-K0317-519-SC    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0317-522-SC    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
2-K0317-704-SC    1 1.1035E-03 3.090E+00 2.600E+02 8.500E+00 0.000E+00
2-K0317-805-SC    1 1.1035E-03 3.090E+00 2.600E+02 8.500E+00 0.000E+00
2-K0317-SO        1 3.1785E-03 8.900E+00 2.600E+02 8.500E+00 0.000E+00
2-K0317-X1-CSP    1 2.3145E-05 4.620E-02 3.650E+02 8.500E+00 0.000E+00
2-K0317-X5-SC     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
2-K0317-Y4-CSP    1 2.4177E-04 4.826E-01 3.650E+02 8.500E+00 0.000E+00
2-K0317-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
2-K0317-Y7-DC     1 2.3642E-04 6.620E-01 2.600E+02 8.500E+00 0.000E+00
2-K0317-Y8-DC     1 2.3642E-04 6.620E-01 2.600E+02 8.500E+00 0.000E+00
23341-HS1T08-OSH  6 1.3000E-03
25333LMV1MCC-OCP  1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
25333LMV2MCC-OCP  1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
25333LMV3MCC-OCP  1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
25333LMV4MCC-OCP  1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
25333LMV5MCC-OCP  1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
25333LMV6MCC-OCP  1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
25333LMV7MCC-OCP  1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
25333LMV8MCC-OCP  1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
25551-A4-DS28-FO  2 1.5434E-06 1.300E+00 1.040E+01
25551-B4-DS28-FO  2 1.5434E-06 1.300E+00 1.040E+01
3331-01-MU        6 0.0000E+00
5314-03-BU3-UV    6 0.0000E+00
5314-04-BU4-UV    6 0.0000E+00
5323-07-BU7-UV    6 0.0000E+00
5323-08-BU8-UV    6 0.0000E+00
5333-13-BU13-UV   6 0.0000E+00
5333-14-BU14-UV   6 0.0000E+00
5541-31-BU31-UV0  6 0.0000E+00
5541-32-BU32-UV0  6 0.0000E+00
5551-01-BUA4-UV0  6 0.0000E+00
5551-02-BUB4-UV0  6 0.0000E+00
608-PK-00-DH      6 7.0000E-03
7220-01-RCWTRH    6 0.0000E+00
723002-PULSWTSDC  6 0.0000E+00
PHT-TEMP-GT-93C   6 3.0000E-02
TS-3341-P1-RSF    6 7.9000E-03
TS-3341-P2-RSF    6 7.9000E-03
TS-3341-P3-RSF    6 7.9000E-03
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5.6 File : SDC_OUT1

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-3330-PC-LH      6 1.0000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-03, DP4= 5.0000E+00
2-3334-HS32C-SC  1 1.1000E-02 1.100E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-NV108-SC  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-NV110-SC  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-NV112-SC  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-NV48-SC   1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-PV32-SC   1 5.5300E-02 5.530E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.5300E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-SV32-SC   1 8.7000E-03 8.700E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.7000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V35-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V36-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V37-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V39-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V40-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V41-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V43-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V44-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-V45-CSP   1 1.0000E-05 1.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3334-VSDCP1-CH 6 7.6000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.6000E-02, DP4= 5.0000E+00
2-3334-VSDCP2-CH 6 7.6000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.6000E-02, DP4= 5.0000E+00
2-3334-VSDCP3-CH 6 7.6000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.6000E-02, DP4= 5.0000E+00
2-3341-CSDCS-FO  2 8.3339E-04 4.298E+02 1.700E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.2980E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.7000E+01, DP4= 5.0000E+00
2-3341-HS11N-SO  1 5.5000E-03 1.100E+01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS12N-SO  1 5.5000E-03 1.100E+01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS13N-SO  1 5.5000E-03 1.100E+01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS1O-CSP  1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS1O-SO   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS21C-OSP 1 1.0000E-02 1.000E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS21O-CSP 1 5.0000E-03 1.000E+01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS22C-CSP 1 5.0000E-03 1.000E+01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS25C-CSP 1 5.0000E-03 1.000E+01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS2O-CSP  1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS2O-SO   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS3O-CSP  1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS3O-SO   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS4O-CSP  1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS4O-SO   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS5O-CSP  1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS5O-SO   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS6O-CSP  1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS6O-SO   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS7OC-SC  1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS7O-CSP  1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS7O-SO   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS8OC-SC  1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-3341-HS8O-CSP  1 3.5616E-03 1.000E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HS8O-SO   1 3.9178E-03 1.100E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HX1-ITP   1 9.1000E-03 9.100E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 9.1000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HX1-MO    5 3.8356E-03 2.000E-01 1.680E+02
  (FM): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E-01, DP4= 5.0000E+00
  (TE): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6800E+02, DP4= 5.0000E+00
2-3341-HX2-ITP   1 9.1000E-03 9.100E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 9.1000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-HX2-MO    5 3.8356E-03 2.000E-01 1.680E+02
  (FM): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E-01, DP4= 5.0000E+00
  (TE): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6800E+02, DP4= 5.0000E+00
2-3341-LHX1-FO   2 6.8227E-04 3.560E+01 1.680E+02
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.5600E+01, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6800E+02, DP4= 5.0000E+00
2-3341-LHX2-FO   2 6.8227E-04 3.560E+01 1.680E+02
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.5600E+01, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6800E+02, DP4= 5.0000E+00
2-3341-LSDC2-EL  6 1.0000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
2-3341-MV1-SC    1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.1900E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV1EPO-DH 6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV1S-OSP  1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV1S-SC   1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV2-SC    1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.1900E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV21-DH   6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV21-OSP  1 2.0000E-04 4.000E-01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV21S-OSP 1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV22-CH   6 1.1000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E-02, DP4= 5.0000E+00
2-3341-MV22-CSP  1 5.5000E-04 1.100E+00 3.650E+02 0.000E+00 0.000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV22-DH   6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV22S-CSP 1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV25-CH   6 1.1000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E-02, DP4= 5.0000E+00
2-3341-MV25-CSP  1 5.5000E-04 1.100E+00 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV25-DH   6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV25S-CSP 1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV2EPO-DH 6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV2S-OSP  1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV2S-SC   1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV3-SC    1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.1900E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV3EPO-DH 6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV3S-OSP  1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV3S-SC   1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV4-SC    1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.1900E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV4EPO-DH 6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV4S-OSP  1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV4S-SC   1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-3341-MV5-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.1900E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV5EPO-DH 6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV5S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV5S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV6-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.1900E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV6EPO-DH 6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV6S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV6S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV7-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.1900E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV7EPO-DH 6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV7S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV7S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV8-SC     1 1.8485E-02 5.190E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.1900E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV8EPO-DH 6 2.7000E-01
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-01, DP4= 5.0000E+00
2-3341-MV8S-OSP   1 1.0685E-04 3.000E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-MV8S-SC    1 4.6301E-04 1.300E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-NV10-SC    1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-NV13-OSP  1 9.4000E-03 9.400E+00 7.300E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 9.4000E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-NV13-SC   1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-NV16-OSP  1 9.4000E-03 9.400E+00 7.300E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 9.4000E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-NV16-SC   1 1.5000E-04 3.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-P1-SF     1 9.3799E-03 1.870E+01 3.650E+02 1.400E+01 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.8700E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.4000E+01, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-P1HX-ITP  1 1.2100E-02 1.210E+01 7.300E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2100E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-P1LEG-FO  2 7.1958E-05 3.940E+01 1.600E+01
   (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.9400E+01, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6000E+01, DP4= 5.0000E+00
 2-3341-P1LEG-MO  5 5.4795E-04 2.000E-01 2.400E+01
   (FM): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E-01, DP4= 5.0000E+00
   (TE): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.4000E+01, DP4= 5.0000E+00
 2-3341-P2-SF     1 9.3799E-03 1.870E+01 3.650E+02 1.400E+01 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.8700E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.4000E+01, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-P2HX-ITP  1 1.2100E-02 1.210E+01 7.300E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2100E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-P2LEG-FO  2 7.1958E-05 3.940E+01 1.600E+01
   (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.9400E+01, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6000E+01, DP4= 5.0000E+00
 2-3341-P2LEG-MO  5 5.4795E-04 2.000E-01 2.400E+01
   (FM): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E-01, DP4= 5.0000E+00
   (TE): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.4000E+01, DP4= 5.0000E+00
 2-3341-P3-SF     1 9.3799E-03 1.870E+01 3.650E+02 1.400E+01 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.8700E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.4000E+01, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-P3HX-ITP  1 1.2100E-02 1.210E+01 7.300E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2100E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-3341-P3LEG-FO  2 7.1958E-05 3.940E+01 1.600E+01
   (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.9400E+01, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6000E+01, DP4= 5.0000E+00
 2-3341-P3LEG-MO  5 5.4795E-04 2.000E-01 2.400E+01
   (FM): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E-01, DP4= 5.0000E+00
   (TE): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.4000E+01, DP4= 5.0000E+00
 2-3341-PM1-SF    1 3.2302E-02 6.200E+01 3.650E+02 1.840E+02 0.000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.2000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.8400E+02, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-PM2-RSF   6 5.0000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.0000E-03, DP4= 5.0000E+00
2-3341-PM2-SF    1 3.2302E-02 6.200E+01 3.650E+02 1.840E+02 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.2000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.8400E+02, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-PM3-SF    1 3.2302E-02 6.200E+01 3.650E+02 1.840E+02 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.2000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.8400E+02, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-PV6566-OH 6 1.3000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E-03, DP4= 5.0000E+00
2-3341-PV70-SC   1 1.9696E-02 5.530E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.5300E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-PV80-SC   1 1.9696E-02 5.530E+01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.5300E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-SDC2-CH   6 9.0000E-04
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 9.0000E-04, DP4= 5.0000E+00
2-3341-SDC2WU-CH 6 5.4000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.4000E-02, DP4= 5.0000E+00
2-3341-SV70-SC   1 3.0986E-03 8.700E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.7000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-SV80-SC   1 3.0986E-03 8.700E+00 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.7000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-TC1-HOP   1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-TC2-HOP   1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-TE1-LOP   1 1.3000E-02 1.300E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-TE2-LOP   1 1.3000E-02 1.300E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-TETT-RECH 6 1.3000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E-03, DP4= 5.0000E+00
2-3341-TT1-LOP   1 3.5000E-02 3.500E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.5000E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-TT2-LOP   1 3.5000E-02 3.500E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.5000E+01, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-TY1-HOP    1 1.6400E-02 1.640E+01 7.300E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6400E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-TY2-HOP    1 1.6400E-02 1.640E+01 7.300E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6400E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-V11-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-V12-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-V14-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-V15-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-V17-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-V23-CH     6 6.6000E-03
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6000E-03, DP4= 5.0000E+00
2-3341-V23-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-V26-CH     6 6.6000E-03
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6000E-03, DP4= 5.0000E+00
2-3341-V26-CSP    1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-V9-CSP     1 5.0000E-05 1.000E-01 3.650E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-3341-VP1-CH     6 3.8000E-02
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
2-3341-VP2-CH     6 3.8000E-02
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
2-3341-VP3-CH     6 3.8000E-02
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
2-5323-7CB13-OH   6 1.1000E-03
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E-03, DP4= 5.0000E+00
2-5323-7CB13-SO   6 5.0000E-04
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.0000E-04, DP4= 5.0000E+00
2-5323-7CB14-OH   6 1.1000E-03
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E-03, DP4= 5.0000E+00
2-5323-7CB14-SO   6 5.0000E-04
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.0000E-04, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-5323-8CB13-OH  6 1.1000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E-03, DP4= 5.0000E+00
2-5323-8CB13-SO  6 5.0000E-04
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 5.0000E-04, DP4= 5.0000E+00
2-5323-LPM1-OCP  1 8.8000E-04 1.760E+00 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.7600E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-5323-LPM2-OCP  1 8.8000E-04 1.760E+00 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.7600E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-5323-LPM3-OCP  1 8.8000E-04 1.760E+00 3.650E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.7600E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-5333-13CB6-FO  2 2.6027E-06 1.900E+00 1.200E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.9000E+00, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2000E+01, DP4= 5.0000E+00
2-5333-14CB6-FO  2 2.6027E-06 1.900E+00 1.200E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.9000E+00, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2000E+01, DP4= 5.0000E+00
2-5333-MCC351-FO 2 4.3950E-06 3.500E+00 1.100E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.5000E+00, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
2-5333-MCC352-FO 2 4.3950E-06 3.500E+00 1.100E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.5000E+00, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.1000E+01, DP4= 5.0000E+00
2-5551-A4-DS6-FO 2 1.5434E-06 1.300E+00 1.040E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0400E+01, DP4= 5.0000E+00
2-7220-V154-CSP  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7220-V155-CSP  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7220-V159-CSP  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7220-V160-CSP  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7220-V164-CSP  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7220-V165-CSP  1 1.0000E-04 1.000E-01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7220-VSDCP1-CH 6 3.8000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
2-7220-VSDCP2-CH 6 3.8000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
2-7220-VSDCP3-CH 6 3.8000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
2-7230-LHX1-FO   2 1.9704E-04 1.079E+02 1.600E+01
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0790E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6000E+01, DP4= 5.0000E+00
2-7230-LHX2-FO   2 1.9704E-04 1.079E+02 1.600E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0790E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.6000E+01, DP4= 5.0000E+00
2-7230-TCV111-SC 1 1.5800E-02 1.580E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.5800E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-TCV121-SC 1 1.5800E-02 1.580E+01 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.5800E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V11-CSP   1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V12-SC    1 2.0000E-03 2.000E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V236-CSP  1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V241-CSP  1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V242-CSP  1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V247-CSP  1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V248-CSP  1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V253-CSP  1 6.0000E-05 6.000E-02 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V57-CSP   1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V58-CSP   1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V60-SC    1 2.0000E-03 2.000E+00 7.300E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-7230-V61-CH    6 2.0000E-03
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E-03, DP4= 5.0000E+00
 2-7230-V61-CSP    1 6.0000E-03 6.000E+00 7.300E+02 0.000E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.0000E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-7230-VHX1-CH    6 2.0000E-03
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.0000E-03, DP4= 5.0000E+00
 2-7230-VSDCP1-CH 6 3.8000E-02
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
 2-7230-VSDCP2-CH 6 3.8000E-02
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
 2-7230-VSDCP3-CH 6 3.8000E-02
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.8000E-02, DP4= 5.0000E+00
 2-K0014-101-SO    1 1.5675E-03 3.129E+00 3.650E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0014-401-SO    1 2.2188E-03 4.429E+00 3.650E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0014-412-SO    1 2.3895E-03 4.770E+00 3.650E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0014-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2600E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0014-DO        1 1.5507E-02 3.095E+01 3.650E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0950E+01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0014-FO        2 4.1706E-04 4.300E+02 8.500E+00
   (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.3000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
 2-K0014-SO        1 4.4586E-03 8.900E+00 3.650E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.9000E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0014-X1-SO     1 2.3045E-05 4.600E-02 3.650E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0014-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6200E-01, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0014-Y4-OH     6 2.7000E-02
    (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
 2-K0015-101-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0015-101-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
   (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
   (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
   (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
 2-K0015-201-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
   (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-201-SO   1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-216-CSP  1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-216-SO   1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-401-SO   1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-410-SO   1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-416-DC   1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2600E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-501-CSP  1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-501-SO   1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-701-SO   1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-710-SO   1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-801-SO   1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-805-SO   1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-810-SO   1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-812-SO   1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-DO       1 1.1055E-02 3.095E+01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0950E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-FO       2 4.1706E-04 4.300E+02 8.500E+00
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
2-K0015-SO       1 3.1785E-03 8.900E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.9000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-X1-CSP   1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-X1-SO    1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-X2-CSP   1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-X2-SO    1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-X5-CSP   1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-X5-SO    1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-Y4-CSP   1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-Y4-DC    1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6200E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-Y4-OH    6 2.7000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
2-K0015-Y7-CSP   1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-Y7-OH    6 2.7000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
2-K0015-Y8-CSP   1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0015-Y8-OH    6 2.7000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-K0017-101-CSP  1 1.5665E-03 3.127E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0017-502-CSP  1 1.5665E-03 3.127E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0017-X1-CSP   1 2.3145E-05 4.620E-02 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0017-X5-CSP   1 2.3145E-05 4.620E-02 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0017-Y4-CSP   1 2.4177E-04 4.826E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0017-Y8-CSP   1 2.4177E-04 4.826E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-101-SO   1 1.5675E-03 3.129E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-401-SO   1 2.2188E-03 4.429E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-412-SO   1 2.3895E-03 4.770E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-416-DC   1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2600E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-DO       1 1.5507E-02 3.095E+01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0950E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-FO       2 4.1706E-04 4.300E+02 8.500E+00
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
2-K0162-SO       1 4.4586E-03 8.900E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.9000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-X1-SO    1 2.3045E-05 4.600E-02 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-Y4-DC    1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6200E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0162-Y4-OH     6 2.7000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
2-K0314-101-SO    1 1.5675E-03 3.129E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0314-401-SO    1 2.2188E-03 4.429E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0314-412-SO    1 2.3895E-03 4.770E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0314-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2600E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0314-DO        1 1.5507E-02 3.095E+01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0950E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0314-FO        2 4.1706E-04 4.300E+02 8.500E+00
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
2-K0314-SO        1 4.4586E-03 8.900E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.9000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0314-X1-SO     1 2.3045E-05 4.600E-02 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0314-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6200E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0314-Y4-OH     6 2.7000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
2-K0315-101-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-101-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-201-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-201-SO    1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-216-CSP   1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-216-SO   1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-401-SO   1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-410-SO   1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-416-DC   1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2600E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-501-CSP  1 1.1168E-03 3.127E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-501-SO   1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-701-SO   1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-710-SO   1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-801-SO   1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-805-SO   1 1.5817E-03 4.429E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.4290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-810-SO   1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-812-SO   1 1.7034E-03 4.770E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.7700E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-DO       1 1.1055E-02 3.095E+01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0950E+01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-FO       2 4.1706E-04 4.300E+02 8.500E+00
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.3000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-K0315-SO        1 3.1785E-03 8.900E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.9000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-X1-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-X1-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-X2-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-X2-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-X5-CSP    1 1.6500E-05 4.620E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-X5-SO     1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-Y4-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-Y4-DC     1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6200E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-Y4-OH     6 2.7000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
2-K0315-Y7-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-Y7-OH     6 2.7000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
2-K0315-Y8-CSP    1 1.7235E-04 4.826E-01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0315-Y8-OH     6 2.7000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.7000E-02, DP4= 5.0000E+00
2-K0317-102-CSP   1 1.5665E-03 3.127E+00 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1270E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-416-DC    1 6.3122E-05 1.260E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.2600E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
2-K0317-519-SC   1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-522-SC   1 1.1175E-03 3.129E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.1290E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-704-SC   1 1.1035E-03 3.090E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0900E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-805-SC   1 1.1035E-03 3.090E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0900E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-SO       1 3.1785E-03 8.900E+00 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.9000E+00, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-X1-CSP   1 2.3145E-05 4.620E-02 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6200E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-X5-SC    1 1.6428E-05 4.600E-02 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.6000E-02, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-Y4-CSP   1 2.4177E-04 4.826E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 4.8260E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-Y4-DC    1 3.3164E-04 6.620E-01 3.650E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6200E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.6500E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-Y7-DC    1 2.3642E-04 6.620E-01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6200E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
2-K0317-Y8-DC    1 2.3642E-04 6.620E-01 2.600E+02 8.500E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 6.6200E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 8.5000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
23341-HS1T08-OSH 6 1.3000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E-03, DP4= 5.0000E+00
25333LMV1MCC-OCP 1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
25333LMV2MCC-OCP 1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
25333LMV3MCC-OCP 1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
25333LMV4MCC-OCP 1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
25333LMV5MCC-OCP 1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
25333LMV6MCC-OCP 1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
25333LMV7MCC-OCP 1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
25333LMV8MCC-OCP 1 9.2603E-05 2.600E-01 2.600E+02 0.000E+00 0.000E+00
  (FD): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E-01, DP4= 5.0000E+00
  (TI): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 2.6000E+02, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
  (TT): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
25551-A4-DS28-FO 2 1.5434E-06 1.300E+00 1.040E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0400E+01, DP4= 5.0000E+00
25551-B4-DS28-FO 2 1.5434E-06 1.300E+00 1.040E+01
  (FR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.3000E+00, DP4= 5.0000E+00
  (TR): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 1.0400E+01, DP4= 5.0000E+00
3331-01-MU      6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5314-03-BU3-UV  6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5314-04-BU4-UV  6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5323-07-BU7-UV  6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5323-08-BU8-UV  6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5333-13-BU13-UV 6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5333-14-BU14-UV 6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5541-31-BU31-UV0 6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5541-32-BU32-UV0 6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5551-01-BUA4-UV0 6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
5551-02-BUB4-UV0 6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
608-PK-00-DH    6 7.0000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.0000E-03, DP4= 5.0000E+00
7220-01-RCWTRH  6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
723002-PULSWTSDC 6 0.0000E+00
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 0.0000E+00, DP4= 5.0000E+00
PHT-TEMP-GT-93C 6 3.0000E-02
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 3.0000E-02, DP4= 5.0000E+00
TS-3341-P1-RSF  6 7.9000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.9000E-03, DP4= 5.0000E+00
TS-3341-P2-RSF  6 7.9000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.9000E-03, DP4= 5.0000E+00
TS-3341-P3-RSF  6 7.9000E-03
   (P): DC=1, DP1=-1.0000E+00, DP2=-1.0000E+00, DP3= 7.9000E-03, DP4= 5.0000E+00
```

5.7 File : SDC1_PE1

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-3330-PC-LH     61-1.0000E+00-1.0000E+00 1.0000E-03 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-HS32C-SC 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-HV108-SC 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-HV110-SC 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-HV112-SC 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-HV48-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-PV32-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 5.5300E+01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-SV32-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 8.7000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V35-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V36-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V37-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V39-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V40-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V41-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V43-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V44-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-V45-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3334-VSDCP1-CH61-1.0000E+00-1.0000E+00 7.6000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-VSDCP2-CH61-1.0000E+00-1.0000E+00 7.6000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-VSDCP3-CH61-1.0000E+00-1.0000E+00 7.6000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-CSDCS-PO 20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
4.2900E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS11M-SO 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS12M-SO 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS13M-SO 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS1O-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS1O-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS21C-OSP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS21O-CSP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS22C-CSP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS25C-CSP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS2O-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS2O-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS3O-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-3341-HS3O-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS4O-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS4O-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS5O-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS5O-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS6O-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS6O-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS7OC-SC 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS7O-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS7O-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS8OC-SC 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS8O-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HS8O-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HX1-ITP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 9.1000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HX1-WO   30 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HX2-ITP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 9.1000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-HX2-WO   30 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-LHX1-FO  20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
3.5600E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-LHX2-FO  20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
3.5600E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-LSDC2-EL 61-1.0000E+00-1.0000E+00 1.0000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV1-SC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 5.1900E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV1EPO-DM61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV1S-OSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV1S-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.3800E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV2-SC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 5.1900E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV21-DH  61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV21-OSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV21S-OSP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV22-CH  61-1.0000E+00-1.0000E+00 1.1000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV22-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV22-DH  61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV22S-CSP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV25-CH  61-1.0000E+00-1.0000E+00 1.1000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV25-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.1000E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV25-DH  61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV25S-CSP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV2EPO-DM61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV2S-OSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-3341-MV2S-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 1.3000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV3-SC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 5.1900E+01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV3EPO-DN61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV3S-OEP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV3S-BC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 1.3000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV4-SC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 5.1900E+01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV4EPO-DN61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV4S-OEP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV4S-BC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 1.3000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV5-SC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 5.1900E+01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV5EPO-DN61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV5S-OEP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV5S-BC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 1.3000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV6-SC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 5.1900E+01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV6S-OEP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV6S-BC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 1.3000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV7S-OEP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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2-3341-MV8EPO-DN61-1.0000E+00-1.0000E+00 2.7000E-01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV8S-OEP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV8S-BC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 1.3000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-MV16-BC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 3.0000E-01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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1.4000E+01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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3.9400E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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1.4000E+01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
2-3341-P2EE-ITP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00-1.0000E+00-1.0000E+00 1.2100E+01 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+00 1.0000E+00-1.0000E+00-1.0000E+00 0.0000E+00 0.0000E+00 5.0000E+00
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3.9400E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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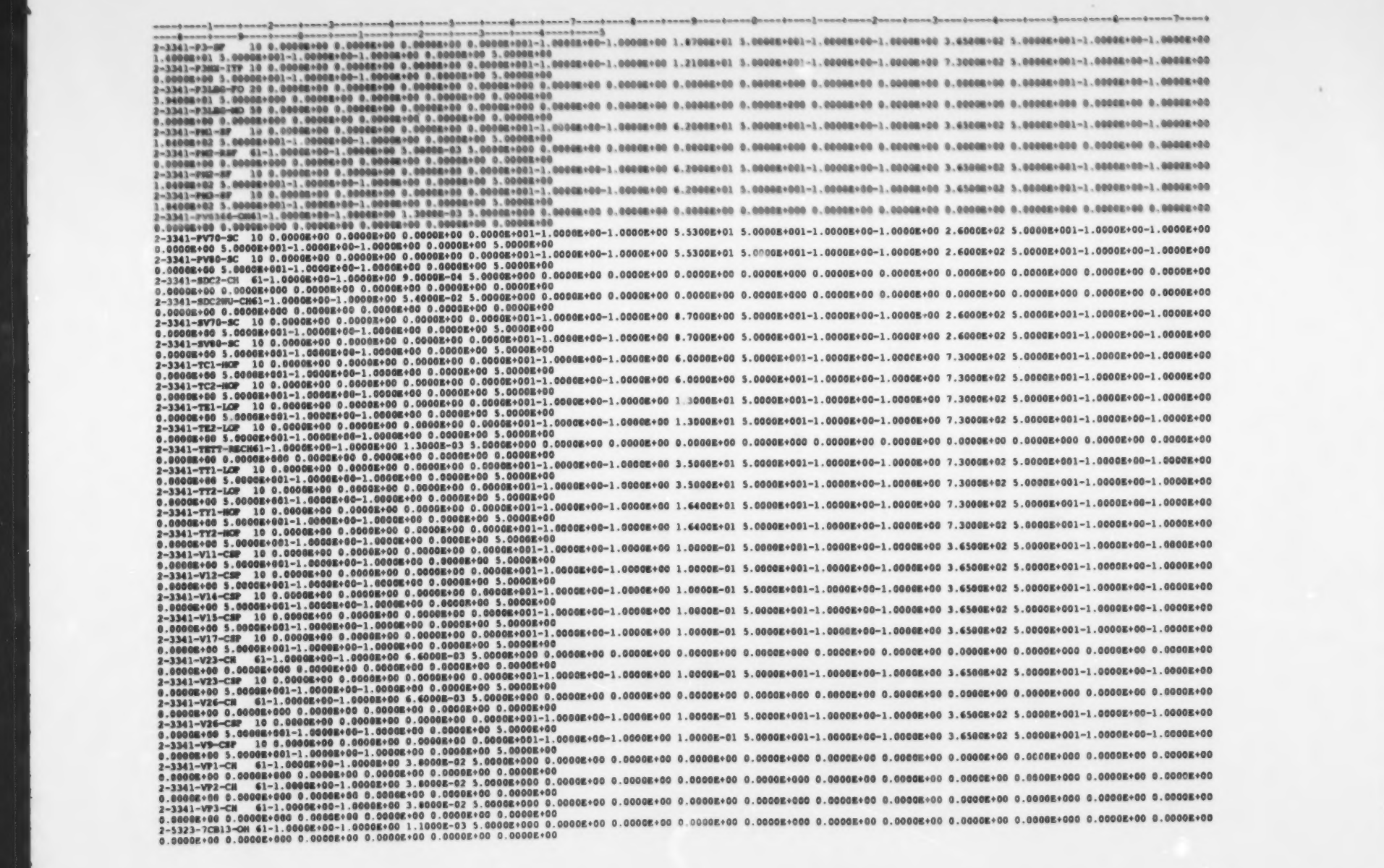

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----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5323-8CB13-SO 61-1.0000E+00-1.0000E+00 5.0000E-04 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
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2-7220-V164-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7220-V165-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7220-VHDCP1-CH61-1.0000E+00-1.0000E+00 3.8000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7220-VHDCP2-CH61-1.0000E+00-1.0000E+00 3.8000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7220-VHDCP3-CH61-1.0000E+00-1.0000E+00 3.8000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7230-LHX1-PO  20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
1.0790E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7230-LHX2-PO  20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
1.0790E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7230-TCV111-SC10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.5800E+01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-TCV121-SC10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.5800E+01 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V11-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V12-SC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V236-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V241-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V242-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V247-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V248-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V253-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E-02 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V57-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V58-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V60-SC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-V61-CH   61-1.0000E+00-1.0000E+00 2.0000E-03 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-7230-V61-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 7.3000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-7230-VH21-CH  61-1.0000E+00-1.0000E+00 2.0000E-03 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7230-VSDCP1-CH61-1.0000E+00-1.0000E+00 3.0000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7230-VSDCP2-CH61-1.0000E+00-1.0000E+00 3.0000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7230-VSDCP3-CH61-1.0000E+00-1.0000E+00 3.0000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0014-101-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0014-401-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0014-412-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0014-416-DC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.2600E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0014-DO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0950E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0014-FO      20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
4.3000E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0014-SO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 8.9000E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0014-X1-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0014-Y4-DC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.6200E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0014-Y4-OH   61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0015-101-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-101-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-201-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-201-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-216-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-216-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-401-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-410-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-416-DC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.2600E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-501-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-501-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-701-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-710-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-801-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-805-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-810-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-812-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-DO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0950E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-FO      20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
4.3000E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0015-SO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 8.9000E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-X1-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.3000E+00 5.0000E+00
2-E0015-X1-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0015-X2-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
```

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-K0015-X2-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0015-X5-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0015-X5-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0015-Y4-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0015-Y4-DC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.6200E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0015-Y4-OH    61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0015-Y7-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0015-Y7-OH    61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0015-Y8-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0015-Y8-OH    61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0017-101-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0017-502-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0017-X1-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0017-X5-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0017-Y4-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0017-Y8-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-101-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-401-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-412-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-416-DC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.2600E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-DO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0950E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-FO      20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
4.3000E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0162-SO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 8.9000E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-X1-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-Y4-DC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.6200E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0162-Y4-OH    61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0314-101-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0314-401-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0314-412-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0314-416-DC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.2600E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0314-DO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0950E+01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0314-FO      20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
4.3000E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0314-SO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 8.9000E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0314-X1-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0314-Y4-DC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.6200E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0314-Y4-OH    61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0315-101-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-101-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-K0315-201-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-201-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-216-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-216-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-401-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-410-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-416-DC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.2600E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-501-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-501-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-701-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-710-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-801-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-805-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.4290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-810-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-812-SO  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.7700E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-DO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0950E+01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-FO      20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
4.3000E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0315-SO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 8.9000E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-X1-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-X1-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-X2-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-X2-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-X5-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-X5-SO   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-Y4-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-Y4-DC   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.6200E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-Y4-OH   61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0315-Y7-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-Y7-OH   61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0315-Y8-CSP  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0315-Y8-OH   61-1.0000E+00-1.0000E+00 2.7000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0317-102-CSP 10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1270E+00 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0317-416-DC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 1.2600E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0317-519-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0317-522-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.1290E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0317-704-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0900E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0317-805-SC  10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 3.0900E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-K0317-SO      10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 8.9000E+00 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
8.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-E0317-X1-CSP   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6200E-02 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0317-X5-DC    10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.6000E-02 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0317-Y4-CSP   10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 4.8260E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0317-Y4-DC    10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.6200E-01 5.0000E+001-1.0000E+00-1.0000E+00 3.6500E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0317-Y7-DC    10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.6200E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
2-E0317-Y8-DC    10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 6.6200E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.5000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
23341-HS1T08-OSH61-1.0000E+00-1.0000E+00 1.3000E-03 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
25333LMV1MCC-OCP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.6000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
25333LMV2MCC-OCP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.6000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
25333LMV3MCC-OCP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.6000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
25333LMV4MCC-OCP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.6000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
25333LMV5MCC-OCP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.6000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
25333LMV6MCC-OCP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.6000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
25333LMV7MCC-OCP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.6000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
25333LMV8MCC-OCP10 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.6000E-01 5.0000E+001-1.0000E+00-1.0000E+00 2.6000E+02 5.0000E+001-1.0000E+00-1.0000E+00
0.0000E+00 5.0000E+001-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+00
25551-A4-DS20-FO20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
1.3000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
25551-B4-DS20-FO20 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00
1.3000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
3331-01-HU       61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5314-03-BU3-UV   61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5314-04-BU4-UV   61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5323-07-BU7-UV   61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5323-08-BU8-UV   61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5333-13-BU13-UV 61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5333-14-BU14-UV 61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5541-31-BU31-UV061-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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5541-32-BU32-UV061-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5551-01-BUA4-UV061-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
5551-02-BUB4-UV061-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
600-PK-00-DH     61-1.0000E+00-1.0000E+00 7.0000E-03 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
7220-01-RCWTRH   61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
723002-PULSWT3DC61-1.0000E+00-1.0000E+00 0.0000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
PHT-TEMP-GT-93C 61-1.0000E+00-1.0000E+00 3.0000E-02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
TS-3341-P1-RSF   61-1.0000E+00-1.0000E+00 7.9000E-03 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
TS-3341-P2-RSF   61-1.0000E+00-1.0000E+00 7.9000E-03 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
TS-3341-P3-RSF   61-1.0000E+00-1.0000E+00 7.9000E-03 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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5.8 File : SDC1_PE2

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-3330-PC-LA     0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-HS32C-SC 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-HV108-SC 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-HV110-SC 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-HV112-SC 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-HV48-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-PV32-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-SV32-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V35-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V36-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V37-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V39-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V40-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V41-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V43-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V44-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-V45-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-VSDCP1-CSO 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-VSDCP2-CSO 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3334-VSDCP3-CSO 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-CSDC8-FO 1-1.0000E+00-1.0000E+00 1.7000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS11H-SO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS12H-SO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS13H-SO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS1O-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS1O-SO  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS21C-CSP0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS21O-CSP0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS22C-CSP0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS25C-CSP0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS2O-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS2O-SO  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS3O-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-3341-HS3O-SO  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS4O-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS4O-SO  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS5O-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS5O-SO  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS6O-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS6O-SO  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS70C-SC 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS7O-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS7O-SO  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS80C-SC 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS8O-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HS8O-SO  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HX1-ITP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HX1-MO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00
1.6800E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HX2-ITP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-HX2-MO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00
1.6800E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-LHX1-FO  1-1.0000E+00-1.0000E+00 1.6800E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-LHX2-FO  1-1.0000E+00-1.0000E+00 1.6800E+02 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-LSDC2-EL 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-MV1-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV1EPO-DHO 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV1S-OSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV1S-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV2-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV21-DH  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV21-OSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV21S-OSPO 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV22-CH  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV22-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV22-DH  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV25-CH  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV25-DH  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV25S-CSPO 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV2EPO-DHO 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV2S-OSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-3341-MV2S-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV3-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV3EPO-DH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV3S-OSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV3S-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV4-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV4EPO-DH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV4S-OSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV4S-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV5-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV5EPO-DH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV5S-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV6-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV6S-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV7-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV7S-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV8-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV8EPO-DH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV8S-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV10-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV13-OSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV13-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV16-OSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-MV16-SC  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-P1-SF    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-P1HX-ITP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-P1LEG-PO 1-1.0000E+00-1.0000E+00 1.6900E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-3341-P1LEG-MO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+001-1.0000E+00-1.0000E+00 2.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00
2.4000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-P2-SF    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-P2HX-ITP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-P2LEG-PO 1-1.0000E+00-1.0000E+00 1.6000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-P2LEG-MO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+001-1.0000E+00-1.0000E+00 2.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00
2.4000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-3341-P3-SF    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-P3HX-ITP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-P3LEG-FO 1-1.0000E+00-1.0000E+00 1.6000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-P3LEG-MO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+001-1.0000E+00-1.0000E+00 2.0000E-01 5.0000E+001-1.0000E+00-1.0000E+00
2.4000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-PM1-SF    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-PM2-RSF  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-PM2-SF    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-PM3-SF    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-PV6566-OH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-PV70-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-PV80-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-SDC2-CH   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-SDC2WU-CH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-SV70-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-SV80-SC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TC1-HOP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TC2-HOP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TE1-LOP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TE2-LOP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TETT-RECH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TT1-LOP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TT2-LOP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TY1-HOP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-TY2-HOP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V11-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V12-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V14-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V15-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V17-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V23-CH    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V23-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V26-CH    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V26-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-V9-CSP    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-VP1-CH    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-VP2-CH    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-3341-VP3-CH    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5323-7CB13-OH 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-5323-7CB13-SO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5323-7CB14-OH 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-5323-7CB14-SO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5323-8CB13-OH 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5323-8CB13-SO 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5323-LPH1-OCP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5323-LPH2-OCP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-5323-LPH3-OCP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5333-13CB6-PO 1-1.0000E+00-1.0000E+00 1.2000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5333-14CB6-PO 1-1.0000E+00-1.0000E+00 1.2000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-5333-MCC352-FO1-1.0000E+00-1.0000E+00 1.1000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7220-V154-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-7220-V155-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7220-V159-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7220-V160-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7220-V164-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7220-V165-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7220-VSDCP1-CH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7220-VSDCP2-CH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7220-VSDCP3-CH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-LHX1-FO 1-1.0000E+00-1.0000E+00 1.6000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-LHX2-FO 1-1.0000E+00-1.0000E+00 1.6000E+01 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-TCV111-SC0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-TCV121-SC0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V11-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V12-SC 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V236-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V241-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V242-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V247-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V248-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V253-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V57-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V58-CSP 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V60-SC 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-V61-CN 0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+
----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
2-7230-V61-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-VHX1-CH   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-VSDCP1-CH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-VSDCP2-CH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-7230-VSDCP3-CH0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-101-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-401-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-412-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-416-DC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-DO       0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-FO       1-1.0000E+00-1.0000E+00 8.5000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-SO       0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-X1-SO    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-Y4-DC    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0014-Y4-OH    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-101-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-101-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-201-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-201-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-216-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-216-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-401-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-410-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-416-DC   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-501-CSP  0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-501-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-701-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-710-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-801-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-805-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-810-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-812-SO   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-DO       0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-FO       1-1.0000E+00-1.0000E+00 8.5000E+00 5.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-K0015-SO       0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-K0015-X2-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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----8----+----9----+----0----+----1----+----2----+----3----+----4----+----5
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0015-X5-SO    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0015-Y4-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0015-Y4-DC    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0015-Y4-OH    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
2-E0015-Y7-OH    0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
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2-E0015-Y8-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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2-E0017-Y8-CSP   0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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2-E0162-DO       0 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00
0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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0.0000E+00 0.0000E+000 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00
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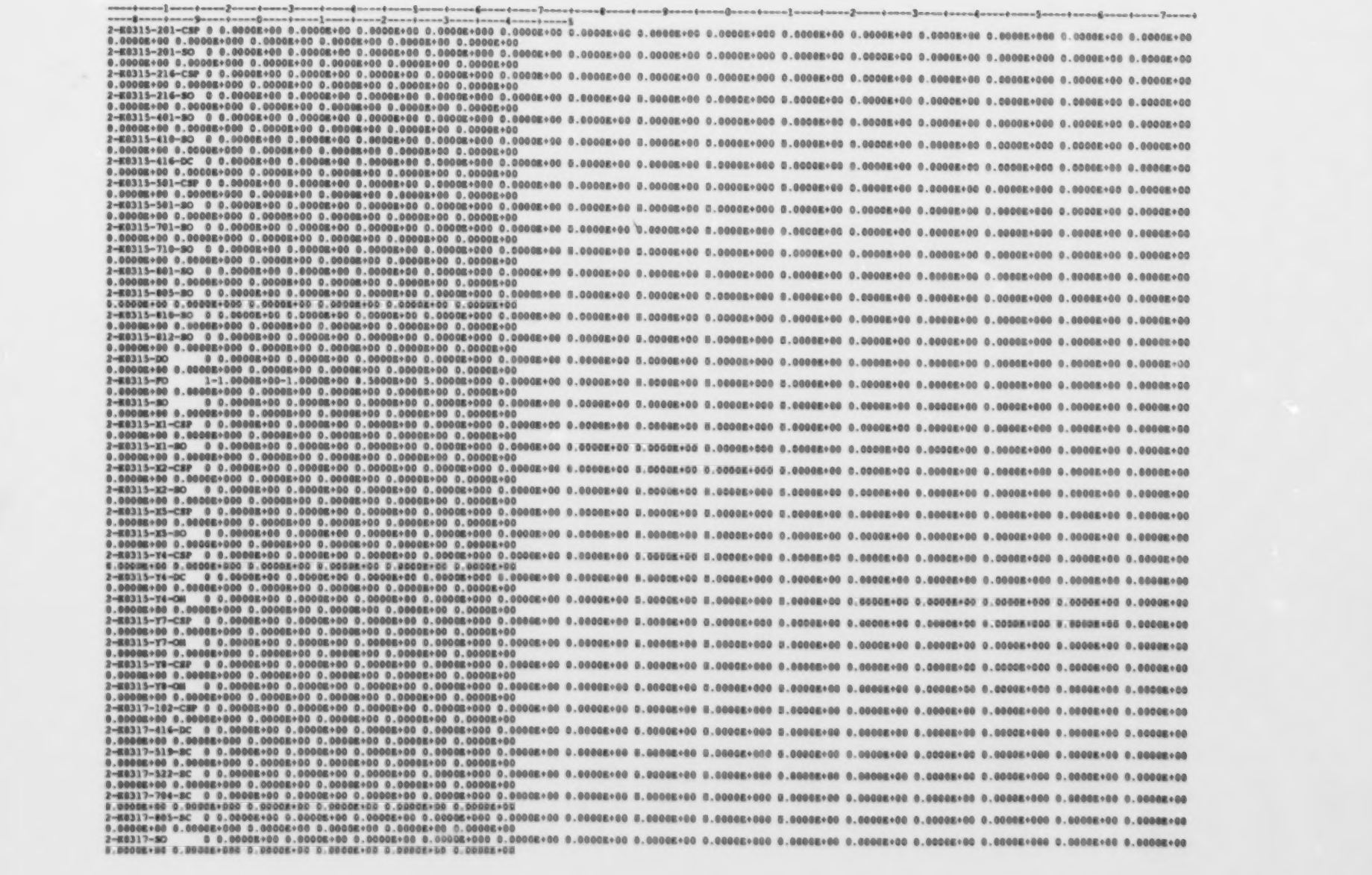

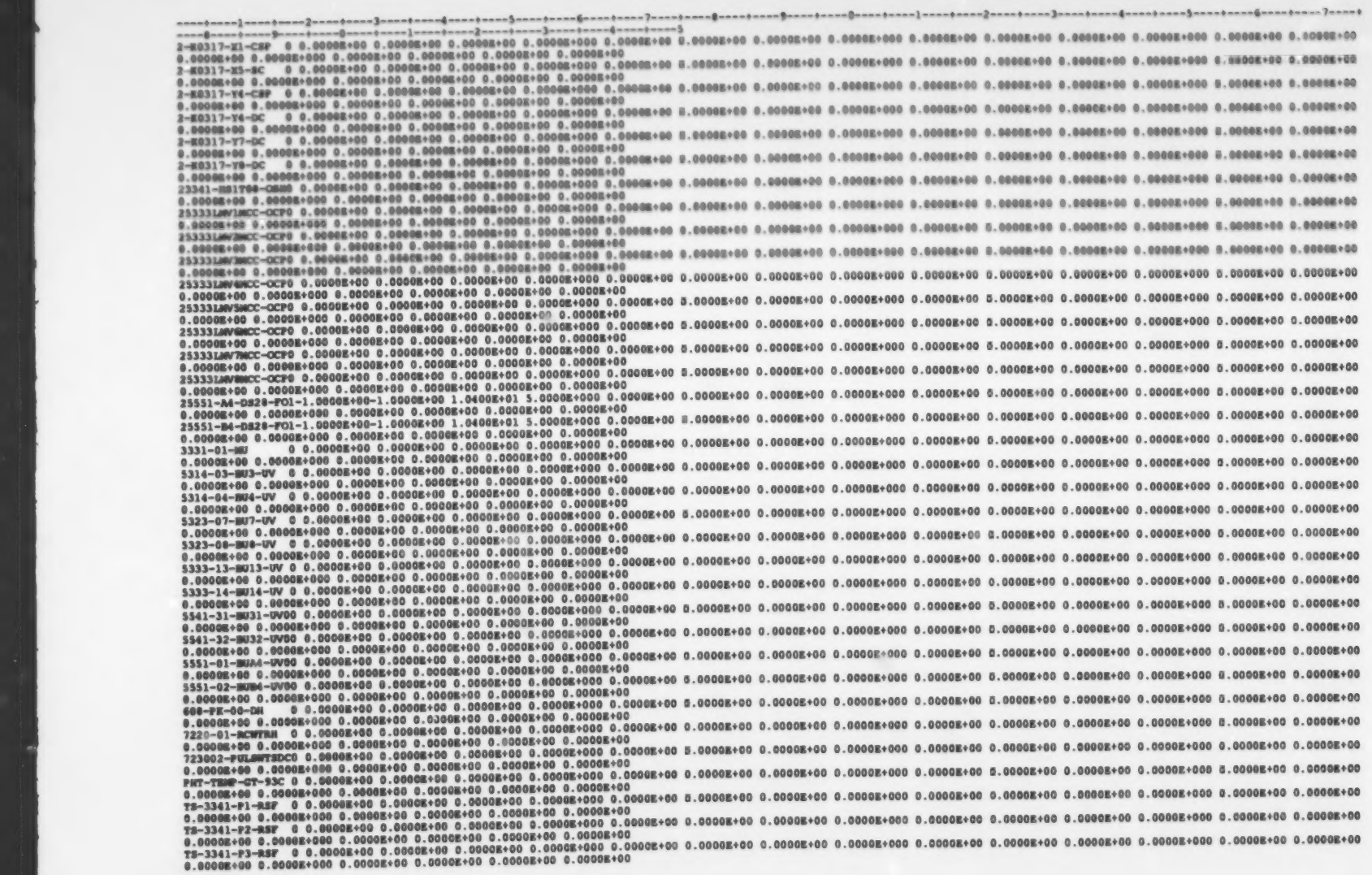

5.9 File : SDC_SOLUTION

1 DATE: 1988-06-09 * * * * LITERAL INDEX TABLE FOR TOP EVENT 3341-02-SDC2 * * * * PAGE: 1

LITERAL LABEL	NUMBER OF OCCURRENCES	TERM NUMBERS																		
/2-3341-HX1-MO	13	69	73	114	136	163	165	166	169	170	310	394	554	681						
/2-3341-HX2-MO	13	70	74	113	137	164	167	168	311	312	313	395	553	682						
2-3330-PC-LH	1	9																		
2-3341-CSDCS-FO	1	11																		
2-3341-HS11N-SO	19	290	293	298	301	321	323	326	328	363	595	598	600	603	654	655	794	795	796	797
2-3341-HS12N-SO	19	292	297	299	300	318	322	327	329	364	601	602	605	606	656	657	796	797	798	799
2-3341-HS13N-SO	19	291	294	295	296	319	320	324	325	365	596	597	599	604	658	659	794	795	798	799
2-3341-HS1O-CSP	6	195	441	503	667	712	819													
2-3341-HS1O-SO	10	55	207	230	336	358	419	443	635	673	792									
2-3341-HS21C-OSP	1	1																		
2-3341-HS21O-CSP	1	6																		
2-3341-HS22C-CSP	12	171	182	210	235	275	284	285	394	541	542	543	627							
2-3341-HS25C-CSP	12	172	181	209	236	274	286	287	288	289	395	544	627							
2-3341-HS2O-CSP	6	196	442	500	661	713	821													
2-3341-HS2O-SO	10	60	206	229	334	355	421	444	633	672	787									
2-3341-HS3O-CSP	6	202	440	506	666	711	817													
2-3341-HS3O-SO	10	61	208	227	339	361	423	438	632	674	786									
2-3341-HS4O-CSP	6	198	444	501	660	714	820													
2-3341-HS4O-SO	10	59	206	228	338	360	422	442	631	675	791									
2-3341-HS5O-CSP	6	200	438	507	664	709	816													
2-3341-HS5O-SO	10	54	208	234	335	359	420	440	629	677	789									
2-3341-HS6O-CSP	6	201	439	505	665	710	818													
2-3341-HS6O-SO	10	56	205	233	333	357	415	445	634	676	793									
2-3341-HS7OC-SC	5	50	204	238	417	425														
2-3341-HS7O-CSP	6	197	443	502	662	715	822													
2-3341-HS7O-SO	10	58	207	231	332	362	424	441	630	678	790									
2-3341-HS8OC-SC	5	51	204	237	416	426														
2-3341-HS8O-CSP	6	199	445	504	663	708	815													
2-3341-HS8O-SO	10	57	205	232	337	356	418	439	628	671	788									
2-3341-HX1-ITP	16	26	28	35	49	75	95	96	136	192	193	194	236	354	436	636	737			
2-3341-HX1-MO	13	70	74	113	137	164	167	168	311	312	313	395	553	682						
2-3341-HX2-ITP	16	27	29	36	49	76	93	94	97	98	137	191	235	353	437	637	736			
2-3341-HX2-MO	13	69	73	114	136	163	165	166	169	170	310	394	554	681						
2-3341-LHX1-FO	11	266	267	314	353	414	430	431	554	732	734	735								
2-3341-LHX2-FO	11	265	268	315	354	413	427	428	429	432	553	733								
2-3341-LSDC2-EL	1	4																		
2-3341-MV1-SC	13	16	58	84	151	157	185	197	279	308	368	455	648	725						
2-3341-MV1EPO-DH	8	195	366	441	503	667	712	790	819											
2-3341-MV1S-SC	3	276	630	717																

----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

2-3341-MV2-SC	13	14	59	77	150	156	184	198	281	309	369	461	650	731							
2-3341-MV21-DH	6	6	12	68	99	115	352														
2-3341-MV21-OSP	1	99																			
2-3341-MV21S-OSP	1	115																			
2-3341-MV22-CH	16	23	25	30	36	53	62	63	114	175	177	178	209	315	408	587	679				
2-3341-MV22-CSP	4	568	570	680	736																
2-3341-MV22-DH	26	171	182	210	235	275	284	285	317	331	394	409	437	528	541	542	543	557	559	568	
		570	627	680	681	736	823	825													
2-3341-MV25-CH	16	22	24	30	35	52	64	65	66	67	113	176	210	314	409	588	680				
2-3341-MV25-CSP	4	569	571	679	737																
2-3341-MV25-DH	28	172	181	209	236	274	286	287	288	289	316	330	395	408	436	527	544	555	556	558	
		560	569	571	627	679	682	737	824	826											
2-3341-MV2EPO-DH	8	196	367	442	500	661	713	791	821												
2-3341-MV2S-SC	3	280	631	719																	
2-3341-MV3-SC	13	15	54	83	153	160	188	200	283	302	371	454	652	727							
2-3341-MV3EPO-DH	8	202	373	440	506	666	711	789	817												

1 DATE: 1988-06-09 * * * * LITERAL INDEX TABLE FOR TOP EVENT 3341-02-SDC2 * * * * PAGE: 2

LITERAL LABEL	NUMBER OF OCCURRENCES	TERM NUMBERS																			
2-3341-MV3S-SC	3	282	629	716																	
2-3341-MV4-SC	13	14	60	79	149	155	183	196	280	303	367	460	649	729							
2-3341-MV4EPO-DH	8	198	369	444	501	660	714	787	820												
2-3341-MV4S-SC	3	281	633	718																	
2-3341-MV5-SC	13	15	61	82	148	158	186	202	282	304	373	459	651	728							
2-3341-MV5EPO-DH	8	200	371	438	507	664	709	786	816												
2-3341-MV5S-SC	3	283	632	722																	
2-3341-MV6-SC	13	17	57	81	147	162	190	199	278	305	370	457	647	726							
2-3341-MV6EPO-DH	8	201	372	439	505	665	710	788	818												
2-3341-MV6S-SC	3	277	628	723																	
2-3341-MV7-SC	13	16	55	78	152	159	187	195	276	306	366	456	653	730							
2-3341-MV7EPO-DH	8	197	368	443	502	662	715	792	822												
2-3341-MV7S-SC	3	279	635	720																	
2-3341-MV8-SC	13	17	56	80	154	161	189	201	277	307	372	458	646	724							
2-3341-MV8EPO-DH	8	199	370	445	504	663	708	793	815												
2-3341-MV8S-SC	3	278	634	721																	
2-3341-NV13-OSP	1	2																			
2-3341-NV16-OSP	1	3																			
2-3341-P1-SF	27	212	213	214	217	257	259	263	264	271	480	481	482	483	525	526	596	601	604	606	
		656	658	687	690	691	693	738	743												
2-3341-P2-SF	27	211	215	216	218	253	254	258	261	270	478	479	481	483	524	526	597	598	599	603	
		654	659	685	688	689	695	739	742												
2-3341-P3-SF	27	219	220	221	222	255	256	260	262	272	478	479	480	482	524	525	595	600	602	605	
		655	657	684	686	692	694	740	741												
2-3341-PM1-SF	60	103	105	106	111	116	119	120	121	138	254	260	261	262	270	272	318	320	322	325	
		364	365	378	381	383	384	410	411	511	513	514	519	524	531	532	533	538	565	567	
		573	574	609	611	612	616	657	659	669	670	739	740	747	751	754	755	800	802	803	
		806	807	809																	
2-3341-PM2-SF	60	104	107	109	110	117	118	120	121	138	255	256	263	264	271	272	319	321	323	324	
		363	365	374	375	376	379	410	412	508	515	516	518	525	534	535	536	539	566	567	

			572	573	613	614	615	618	655	658	668	669	741	743	744	746	752	753	801	802	804
			805	810	811																
	2-3341-PM3-SF	60	100	101	102	108	116	117	118	119	138	253	257	258	259	270	271	326	327	328	329
			363	364	377	380	382	385	411	412	509	510	512	517	526	529	530	537	540	565	566
			572	574	607	608	610	617	654	656	668	670	738	742	745	748	749	750	800	801	808
			812	813	814																
	2-3341-PV6566-OH	1	8																		
	2-3341-PV70-SC	5	13	51	72	174	180														
	2-3341-PV80-SC	5	13	50	71	173	179														
	2-3341-SDC2-CH	1	10																		
	2-3341-SDC2WU-CH	1	4																		
	2-3341-SV70-SC	5	71	237	273	463	476														
	2-3341-SV80-SC	5	72	238	273	462	477														
	2-3341-TC1-HOP	15	41	46	65	94	126	132	133	166	240	243	251	287	428	558	782				
	2-3341-TC2-HOP	15	38	43	62	95	124	128	130	132	134	167	241	285	430	559	780				
	2-3341-TETT-RECH	1	683																		
	2-3341-TT1-LOP	1	683																		
	2-3341-TT2-LOP	1	683																		
	2-3341-TY1-HOP	17	18	19	22	27	31	38	39	69	140	141	142	172	265	316	484	569	824		
	2-3341-TY2-HOP	17	18	20	23	26	32	37	40	41	42	70	139	171	266	317	485	568	823		
	2-3341-V23-CH	15	32	33	52	76	112	124	125	163	224	225	226	274	413	527	758				
	2-3341-V26-CH	15	31	34	53	75	112	122	123	126	127	164	223	275	414	528	759				
	2-3341-VP1-CH	63	88	90	91	92	101	102	104	107	118	211	216	219	220	253	256	291	292	295	300
			324	327	340	345	346	347	379	382	465	471	472	473	479	487	488	489	493	508	510
			529	539	580	581	582	586	599	605	608	618	686	689	696	702	706	707	746	749	761

LITERAL LABEL	NUMBER OF OCCURRENCES	TERM NUMBERS																		
		762	763	765	799	811	814													
2-3341-VP2-CH	63	85	87	88	91	100	101	105	111	116	213	217	220	222	257	262	290	294	295	298
		320	328	345	348	349	351	377	381	464	467	469	472	482	488	492	495	497	513	517
		532	537	576	578	581	585	596	600	611	617	684	691	697	701	705	707	750	751	763
		764	769	771	794	807	808													
2-3341-VP3-CH	63	86	87	88	92	106	107	110	111	121	214	216	217	218	254	264	290	299	300	301
		322	323	343	346	350	351	375	383	466	468	469	473	483	489	494	496	497	514	516
		533	535	575	577	578	582	601	603	612	614	688	690	696	697	699	703	752	755	765
		766	770	771	797	804	809													
2-5323-7CB13-OH	9	697	700	701	703	745	750	752	753	801										
2-5323-7CB14-OH	9	704	705	706	707	744	746	747	751	802										
2-5323-8CB13-OH	9	696	698	699	702	748	749	754	755	800										
2-5323-LPM1-OCP	8	760	764	766	771	804	805	808	813											
2-5323-LPM2-OCP	8	762	765	768	770	806	809	812	814											
2-5323-LPM3-OCP	8	761	763	767	769	803	807	810	811											
2-7230-LHX1-FO	7	485	498	588	637	759	780	781												
2-7230-LHX2-FO	9	484	499	587	636	758	782	783	784	785										
2-7230-TCV111-SC	17	20	21	24	29	34	43	45	73	143	144	146	181	268	330	499	571	826		
2-7230-TCV121-SC	17	19	21	25	28	33	44	46	47	48	74	145	182	267	331	498	570	825		
2-7230-V11-CSP	15	42	47	66	97	127	134	135	170	239	242	245	289	429	555	784				
2-7230-V12-SC	13	142	146	178	194	226	243	245	247	252	313	435	543	732						

	2-7230-V57-CSP	15	40	44	64	93	123	130	131	169	249	250	252	288	427	560	783					
	2-7230-V58-CSP	15	37	48	67	98	122	128	129	165	244	246	247	286	432	556	785					
	2-7230-V60-SC	13	141	144	177	193	225	240	242	246	250	312	434	542	735							
	2-7230-V61-CH	13	140	143	175	192	224	239	244	249	251	311	433	541	734							
	2-7230-V61-CSP	15	39	45	63	96	125	129	131	133	135	168	248	284	431	557	781					
	2-7230-VHX1-CH	13	139	145	176	191	223	241	248	310	433	434	435	544	733							
	2-7230-VSDCP1-CH	63	85	86	87	89	100	108	109	110	117	215	218	221	222	255	258	294	296	297	299	
			319	329	341	343	344	348	376	380	464	466	470	475	478	486	491	492	494	509	518	
			536	540	575	579	584	585	597	602	607	615	685	692	698	699	704	705	744	748	767	
			768	769	770	798	810	812														
	2-7230-VSDCP2-CH	63	86	89	90	92	102	103	106	108	119	212	214	219	221	259	260	291	293	296	301	
			325	326	342	344	347	350	384	385	465	468	470	474	480	486	490	493	496	512	519	
			530	538	577	579	583	586	595	604	610	616	693	694	700	703	704	706	745	747	760	
			761	766	767	795	803	813														
	2-7230-VSDCP3-CH	63	85	89	90	91	103	104	105	109	120	211	212	213	215	261	263	292	293	297	298	
			318	321	340	341	342	349	374	378	467	471	474	475	481	487	490	491	495	511	515	
			531	534	576	580	583	584	598	606	609	613	687	695	698	700	701	702	753	754	760	
			762	764	768	796	805	806														
	2-K0014-101-SO	9	576	577	578	583	610	613	614	617	668											
	2-K0014-401-SO	9	490	495	496	497	530	534	535	537	572											
	2-K0014-412-SO	9	467	468	469	474	512	515	516	517	566											
	2-K0014-SO	15	342	349	350	351	374	375	377	385	412	684	688	694	695	741	742					
	2-K0015-101-CSP	2	366	790																		
	2-K0015-101-SO	7	187	424	450	623	639	776	822													
	2-K0015-201-CSP	2	367	791																		
	2-K0015-201-SO	7	183	422	446	626	638	773	820													
	2-K0015-216-CSP	2	372	788																		
	2-K0015-216-SO	7	189	418	453	622	642	775	815													
	2-K0015-401-SO	7	159	362	402	549	561	643	715													
	2-K0015-410-SO	7	152	332	390	522	545	619	662													
	2-K0015-501-CSP	2	371	786																		
	2-K0015-501-SO	7	188	423	449	621	644	772	817													
	2-K0015-701-SO	7	155	360	407	551	563	645	714													
	2-K0015-710-SO	7	149	338	387	520	546	620	660													

LITERAL LABEL	NUMBER OF OCCURRENCES	TERM NUMBERS																			
2-K0015-801-SO	7	160	361	403	548	562	640	711													
2-K0015-805-SO	7	161	356	406	547	564	641	708													
2-K0015-810-SO	7	153	339	391	523	550	624	666													
2-K0015-812-SO	7	154	337	386	521	552	625	663													
2-K0015-DO	7	591	592	594	724	727	729	730													
2-K0015-FO	9	302	303	306	307	671	674	675	678	756											
2-K0015-SO	30	78	79	80	83	227	228	231	232	269	388	389	392	393	400	401	404	405	447	448	
		451	452	501	502	504	506	716	718	720	721	757									
2-K0015-Y4-OH	3	399	456	589																	
2-K0015-Y7-OH	3	397	460	593																	
2-K0015-Y8-OH	5	396	398	454	458	590															
2-K0017-101-CSP	1	12																			

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
      2-K0017-502-CSP       8        317  331  409  437  528  557  559  681
      2-K0017-X1-CSP        1        352
      2-K0017-Y4-CSP        1         68
      2-K0017-Y8-CSP        2        823  825
      2-K0162-101-SO        9        579  581  585  586  611  615  616  618  669
      2-K0162-401-SO        9        486  488  492  493  532  536  538  539  573
      2-K0162-412-SO        9        464  465  470  472  508  513  518  519  567
      2-K0162-SO           15        344  345  347  348  376  379  381  384  410  685  689  691  693  739  743
      2-K0314-101-SO        9        575  580  582  584  607  608  609  612  670
      2-K0314-401-SO        9        487  489  491  494  529  531  533  540  574
      2-K0314-412-SO        9        466  471  473  475  509  510  511  514  565
      2-K0314-SO           15        340  341  343  346  378  380  382  383  411  686  687  690  692  738  740
      2-K0315-101-CSP       2        373  789
      2-K0315-101-SO        7        186  420  447  624  640  772  816
      2-K0315-201-CSP       2        369  787
      2-K0315-201-SO        7        184  421  452  620  645  773  821
      2-K0315-216-CSP       2        370  793
      2-K0315-216-SO        7        190  415  451  625  641  775  818
      2-K0315-401-SO        7        158  359  401  550  562  644  709
      2-K0315-410-SO        7        148  335  388  523  548  621  664
      2-K0315-501-CSP       2        368  792
      2-K0315-501-SO        7        185  419  448  619  643  776  819
      2-K0315-701-SO        7        162  357  404  552  564  642  710
      2-K0315-710-SO        7        147  333  392  521  547  622  665
      2-K0315-801-SO        7        156  355  405  546  563  638  713
      2-K0315-805-SO        7        157  358  400  545  561  639  712
      2-K0315-810-SO        7        150  334  393  520  551  626  661
      2-K0315-812-SO        7        151  336  389  522  549  623  667
      2-K0315-DO            7        589  590  593  725  726  728  731
      2-K0315-FO            9        304  305  308  309  672  673  676  677  757
      2-K0315-SO           30         77   81   82   84  229  230  233  234  269  386  387  390  391  402  403  406  407  446  449
                                     450  453  500  503  505  507  717  719  722  723  756
      2-K0315-Y4-OH         3        398  459  594
      2-K0315-Y7-OH         3        396  457  591
      2-K0315-Y8-OH         5        397  399  455  461  592
      2-K0317-102-CSP      10        316  330  408  436  527  555  556  558  560  682
      2-K0317-519-SC        5        173  416  462  774  777
      2-K0317-522-SC        5        174  417  463  774  778
      2-K0317-704-SC        5        180  425  476  777  779
      2-K0317-805-SC        5        179  426  477  778  779
      2-K0317-SO            1          5
      2-K0317-X5-SC         1        203
      2-K0317-Y4-CSP        2        824  826
1     DATE: 1988-06-09                * * * * LITERAL INDEX TABLE FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 5

          LITERAL          NUMBER OF                                  TERM NUMBERS
           LABEL         OCCURRENCES

      23341-HS1T08-OSH      1          7
      25333LMV1MCC-OCP      1        653
      25333LMV2MCC-OCP      1        649
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
      25333LMV3MCC-OCP      1          651
      25333LMV4MCC-OCP      1          650
      25333LMV5MCC-OCP      1          652
      25333LMV6MCC-OCP      1          646
      25333LMV7MCC-OCP      1          648
      25333LMV8MCC-OCP      1          647
      608-PK-00-DH          26         396  397  398  399  454  455  456  457  458  459  460  461  589  590  591  592  593  594  724
                                       725  726  727  728  729  730  731
1     DATE: 1988-06-09                    * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 1
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TERM NUMBER	PROB. OF TERM	
		3341-02-SDC2 =
1	1.0000E-02	2-3341-HS21C-OSP +
2	9.4000E-03	2-3341-NV13-OSP +
3	9.4000E-03	2-3341-NV16-OSP +
4	5.4000E-03	2-3341-SDC2WU-CH * 2-3341-LSDC2-EL +
5	3.1785E-03	2-K0317-SO +
6	1.3500E-03	2-3341-MV21-DH * 2-3341-HS21O-CSP +
7	1.3000E-03	23341-HS1T08-OSH +
8	1.3000E-03	2-3341-PV6566-OH +
9	1.0000E-03	2-3330-PC-LH +
10	9.0000E-04	2-3341-SDC2-CH +
11	8.3339E-04	2-3341-CSDCS-FO +
12	4.2296E-04	2-3341-MV21-DH * 2-K0017-101-CSP +
13	3.8793E-04	2-3341-PV70-SC * 2-3341-PV80-SC +
14	3.4169E-04	2-3341-MV2-SC * 2-3341-MV4-SC +
15	3.4169E-04	2-3341-MV5-SC * 2-3341-MV3-SC +
16	3.4169E-04	2-3341-MV1-SC * 2-3341-MV7-SC +
17	3.4169E-04	2-3341-MV6-SC * 2-3341-MV8-SC +
18	2.6896E-04	2-3341-TY1-HOP * 2-3341-TY2-HOP +

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                    19   2.5912E-04    2-3341-TY1-HOP * 2-7230-TCV121-SC +

                    20   2.5912E-04    2-7230-TCV111-SC * 2-3341-TY2-HOP +

                    21   2.4964E-04    2-7230-TCV111-SC * 2-7230-TCV121-SC +

                    22   1.8040E-04    2-3341-MV25-CH * 2-3341-TY1-HOP +

                    23   1.8040E-04    2-3341-MV22-CH * 2-3341-TY2-HOP +

                    24   1.7380E-04    2-3341-MV25-CH * 2-7230-TCV111-SC +

                    25   1.7380E-04    2-3341-MV22-CH * 2-7230-TCV121-SC +

                    26   1.4924E-04    2-3341-HX1-ITP * 2-3341-TY2-HOP +

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                  TERM      PROB.
                 NUMBER    OF TERM

                    27   1.4924E-04    2-3341-TY1-HOP * 2-3341-HX2-ITP +

                    28   1.4378E-04    2-3341-HX1-ITP * 2-7230-TCV121-SC +

                    29   1.4378E-04    2-7230-TCV111-SC * 2-3341-HX2-ITP +

                    30   1.2100E-04    2-3341-MV22-CH * 2-3341-MV25-CH +

                    31   1.0824E-04    2-3341-V26-CH * 2-3341-TY1-HOP +

                    32   1.0824E-04    2-3341-V23-CH * 2-3341-TY2-HOP +

                    33   1.0428E-04    2-3341-V23-CH * 2-7230-TCV12[illegible]-SC +

                    34   1.0428E-04    2-3341-V26-CH * 2-7230-TCV111-SC +

                    35   1.0010E-04    2-3341-MV25-CH * 2-3341-HX1-ITP +

                    36   1.0010E-04    2-3341-MV22-CH * 2-3341-HX2-ITP +

                    37   9.8400E-05    2-7230-V58-CSP * 2-3341-TY2-HOP +

                    38   9.8400E-05    2-3341-TY1-HOP * 2-3341-TC2-HOP +

                    39   9.8400E-05    2-7230-V61-CSP * 2-3341-TY1-HOP +

                    40   9.8400E-05    2-7230-V57-CSP * 2-3341-TY2-HOP +

                    41   9.8400E-05    2-3341-TC1-HOP * 2-3341-TY2-HOP +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                    42   9.8400E-05    2-7230-V11-CSP * 2-3341-TY2-HOP +

                    43   9.4800E-05    2-7230-TCV111-SC * 2-3341-TC2-HOP +

                    44   9.4800E-05    2-7230-V57-CSP * 2-7230-TCV121-SC +

                    45   9.4800E-05    2-7230-V61-CSP * 2-7230-TCV111-SC +

                    46   9.4800E-05    2-3341-TC1-HOP * 2-7230-TCV121-SC +

                    47   9.4800E-05    2-7230-V11-CSP * 2-7230-TCV121-SC +

                    48   9.4800E-05    2-7230-V58-CSP * 2-7230-TCV121-SC +

                    49   8.2810E-05    2-3341-HX1-ITP * 2-3341-HX2-ITP +

                    50   7.7165E-05    2-3341-HS70C-SC * 2-3341-PV80-SC +

                    51   7.7165E-05    2-3341-PV70-SC * 2-3341-HS80C-SC +

                    52   7.2600E-05    2-3341-V23-CH * 2-3341-MV25-CH +

                    53   7.2600E-05    2-3341-MV22-CH * 2-3341-V26-CH +

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                  TERM      PROB.
                 NUMBER    OF TERM

                    54   7.2420E-05    2-3341-HS5O-SO * 2-3341-MV3-SC +

                    55   7.2420E-05    2-3341-HS1O-SO * 2-3341-MV7-SC +

                    56   7.2420E-05    2-3341-HS6O-SO * 2-3341-MV8-SC +

                    57   7.2420E-05    2-3341-MV6-SC * 2-3341-HS8O-SO +

                    58   7.2420E-05    2-3341-MV1-SC * 2-3341-HS7O-SO +

                    59   7.2420E-05    2-3341-MV2-SC * 2-3341-HS4O-SO +

                    60   7.2420E-05    2-3341-HS2O-SO * 2-3341-MV4-SC +

                    61   7.2420E-05    2-3341-MV5-SC * 2-3341-HS3O-SO +

                    62   6.6000E-05    2-3341-MV22-CH * 2-3341-TC2-HOP +

                    63   6.6000E-05    2-3341-MV22-CH * 2-7230-V61-CSP +

                    64   6.6000E-05    2-3341-MV25-CH * 2-7230-V57-CSP +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                    65   6.6000E-05    2-3341-MV25-CH * 2-3341-TC1-HOP +

                    66   6.6000E-05    2-3341-MV25-CH * 2-7230-V11-CSP +

                    67   6.6000E-05    2-3341-MV25-CH * 2-7230-V58-CSP +

                    68   6.5277E-05    2-3341-MV21-DH * 2-K0017-Y4-CSP +

                    69   6.2663E-05    2-3341-HX2-MO * 2-3341-TY1-HOP * /2-3341-HX1-MO +

                    70   6.2663E-05    2-3341-HX1-MO * 2-3341-TY2-HOP * /2-3341-HX2-MO +

                    71   6.1030E-05    2-3341-SV70-SC * 2-3341-PV80-SC +

                    72   6.1030E-05    2-3341-PV70-SC * 2-3341-SV80-SC +

                    73   6.0370E-05    2-3341-HX2-MO * 2-7230-TCV111-SC * /2-3341-HX1-MO +

                    74   6.0370E-05    2-3341-HX1-MO * 2-7230-TCV121-SC * /2-3341-HX2-MO +

                    75   6.0060E-05    2-3341-V26-CH * 2-3341-HX1-ITP +

                    76   6.0060E-05    2-3341-V23-CH * 2-3341-HX2-ITP +

                    77   5.8754E-05    2-3341-MV2-SC * 2-K0315-SO +

                    78   5.8754E-05    2-3341-MV7-SC * 2-K0015-SO +

                    79   5.8754E-05    2-3341-MV4-SC * 2-K0015-SO +

                    80   5.8754E-05    2-3341-MV8-SC * 2-K0015-SO +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 4

                  TERM      PROB.
                 NUMBER    OF TERM

                    81   5.8754E-05    2-3341-MV6-SC * 2-K0315-SO +

                    82   5.8754E-05    2-3341-MV5-SC * 2-K0315-SO +

                    83   5.8754E-05    2-3341-MV3-SC * 2-K0015-SO +

                    84   5.8754E-05    2-3341-MV1-SC * 2-K0315-SO +

                    85   5.4872E-05    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-7230-VSDCP3-CH +

                    86   5.4872E-05    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-3341-VP3-CH +

                    87   5.4872E-05    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-3341-VP3-CH +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                  88   5.4872E-05    2-3341-VP1-CH * 2-3341-VP2-CH * 2-3341-VP3-CH +
                  89   5.4872E-05    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH +
                  90   5.4872E-05    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH +
                  91   5.4872E-05    2-3341-VP1-CH * 2-3341-VP2-CH * 2-7230-VSDCP3-CH +
                  92   5.4872E-05    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-3341-VP3-CH +
                  93   5.4600E-05    2-7230-V57-CSP * 2-3341-HX2-ITP +
                  94   5.4600E-05    2-3341-TC1-HOP * 2-3341-HX2-ITP +
                  95   5.4600E-05    2-3341-HX1-ITP * 2-3341-TC2-HOP +
                  96   5.4600E-05    2-7230-V61-CSP * 2-3341-HX1-ITP +
                  97   5.4600E-05    2-7230-V11-CSP * 2-3341-HX2-ITP +
                  98   5.4600E-05    2-7230-V58-CSP * 2-3341-HX2-ITP +
                  99   5.4000E-05    2-3341-MV21-DH * 2-3341-MV21-OSP +
                 100   4.6644E-05    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-3341-PM3-SF +
                 101   4.6644E-05    2-3341-VP1-CH * 2-3341-VP2-CH * 2-3341-PM3-SF +
                 102   4.6644E-05    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-3341-PM3-SF +
                 103   4.6644E-05    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH +
                 104   4.6644E-05    2-3341-VP1-CH * 2-3341-PM2-SF * 2-7230-VSDCP3-CH +
                 105   4.6644E-05    2-3341-PM1-SF * 2-3341-VP2-CH * 2-7230-VSDCP3-CH +
                 106   4.6644E-05    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-3341-VP3-CH +
                 107   4.6644E-05    2-3341-VP1-CH * 2-3341-PM2-SF * 2-3341-VP3-CH +
1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 5

                  TERM      PROB.
                 NUMBER    OF TERM
                 108   4.6644E-05    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-3341-PM3-SF +
                 109   4.6644E-05    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-7230-VSDCP3-CH +
                 110   4.6644E-05    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-3341-VP3-CH +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                  111   4.6644E-05    2-3341-PM1-SF * 2-3341-VP2-CH * 2-3341-VP3-CH +

                  112   4.3560E-05    2-3341-V23-CH * 2-3341-V26-CH +

                  113   4.2030E-05    2-3341-HX1-MO * 2-3341-MV25-CH * /2-3341-HX2-MO +

                  114   4.2030E-05    2-3341-MV22-CH * 2-3341-HX2-MO * /2-3341-HX1-MO +

                  115   4.0500E-05    2-3341-MV21-DH * 2-3341-MV21S-OSP +

                  116   3.9651E-05    2-3341-PM1-SF * 2-3341-VP2-CH * 2-3341-PM3-SF +

                  117   3.9651E-05    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-3341-PM3-SF +

                  118   3.9651E-05    2-3341-VP1-CH * 2-3341-PM2-SF * 2-3341-PM3-SF +

                  119   3.9651E-05    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-3341-PM3-SF +

                  120   3.9651E-05    2-3341-PM1-SF * 2-3341-PM2-SF * 2-7230-VSDCP3-CH +

                  121   3.9651E-05    2-3341-PM1-SF * 2-3341-PM2-SF * 2-3341-VP3-CH +

                  122   3.9600E-05    2-3341-V26-CH * 2-7230-V58-CSP +

                  123   3.9600E-05    2-3341-V26-CH * 2-7230-V57-CSP +

                  124   3.9600E-05    2-3341-V23-CH * 2-3341-TC2-HOP +

                  125   3.9600E-05    2-3341-V23-CH * 2-7230-V61-CSP +

                  126   3.9600E-05    2-3341-V26-CH * 2-3341-TC1-HOP +

                  127   3.9600E-05    2-3341-V26-CH * 2-7230-V11-CSP +

                  128   3.6000E-05    2-7230-V58-CSP * 2-3341-TC2-HOP +

                  129   3.6000E-05    2-7230-V58-CSP * 2-7230-V61-CSP +

                  130   3.6000E-05    2-7230-V57-CSP * 2-3341-TC2-HOP +

                  131   3.6000E-05    2-7230-V57-CSP * 2-7230-V61-CSP +

                  132   3.6000E-05    2-3341-TC1-HOP * 2-3341-TC2-HOP +

                  133   3.6000E-05    2-7230-V61-CSP * 2-3341-TC1-HOP +

                  134   3.6000E-05    2-7230-V11-CSP * 2-3341-TC2-HOP +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 6

                  TERM     PROB.
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                NUMBER   OF TERM

                  135   3.6000E-05    2-7230-V11-CSP * 2-7230-V61-CSP +

                  136   3.4770E-05    2-3341-HX2-MO * 2-3341-HX1-ITP * /2-3341-HX1-MO +

                  137   3.4770E-05    2-3341-HX1-MO * 2-3341-HX2-ITP * /2-3341-HX2-MO +

                  138   3.3705E-05    2-3341-PM1-SF * 2-3341-PM2-SF * 2-3341-PM3-SF +

                  139   3.2800E-05    2-7230-VHX1-CH * 2-3341-TY2-HOP +

                  140   3.2800E-05    2-7230-V61-CH * 2-3341-TY1-HOP +

                  141   3.2800E-05    2-7230-V60-SC * 2-3341-TY1-HOP +

                  142   3.2800E-05    2-7230-V12-SC * 2-3341-TY1-HOP +

                  143   3.1600E-05    2-7230-V61-CH * 2-7230-TCV111-SC +

                  144   3.1600E-05    2-7230-V60-SC * 2-7230-TCV111-SC +

                  145   3.1600E-05    2-7230-VHX1-CH * 2-7230-TCV121-SC +

                  146   3.1600E-05    2-7230-V12-SC * 2-7230-TCV111-SC +

                  147   3.1488E-05    2-3341-MV6-SC * 2-K0315-710-SO +

                  148   3.1488E-05    2-3341-MV5-SC * 2-K0315-410-SO +

                  149   3.1488E-05    2-3341-MV4-SC * 2-K0015-710-SO +

                  150   3.1488E-05    2-3341-MV2-SC * 2-K0315-810-SO +

                  151   3.1488E-05    2-3341-MV1-SC * 2-K0315-812-SO +

                  152   3.1488E-05    2-3341-MV7-SC * 2-K0015-410-SO +

                  153   3.1488E-05    2-3341-MV3-SC * 2-K0015-810-SO +

                  154   3.1488E-05    2-3341-MV8-SC * 2-K0015-812-SO +

                  155   2.9239E-05    2-3341-MV4-SC * 2-K0015-701-SO +

                  156   2.9239E-05    2-3341-MV2-SC * 2-K0315-801-SO +

                  157   2.9239E-05    2-3341-MV1-SC * 2-K0315-805-SO +

                  158   2.9239E-05    2-3341-MV5-SC * 2-K0315-401-SO +

                  159   2.9239E-05    2-3341-MV7-SC * 2-K0015-401-SO +
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160	2.9239E-05	2-3341-MV3-SC * 2-K0015-801-SO +
161	2.9239E-05	2-3341-MV8-SC * 2-K0015-805-SO +

TERM NUMBER	PROB. OF TERM	
162	2.9239E-05	2-3341-MV6-SC * 2-K0315-701-SO +
163	2.5218E-05	2-3341-HX2-MO * 2-3341-V23-CH * /2-3341-HX1-MO +
164	2.5218E-05	2-3341-HX1-MO * 2-3341-V26-CH * /2-3341-HX2-MO +
165	2.2925E-05	2-3341-HX2-MO * 2-7230-V58-CSP * /2-3341-HX1-MO +
166	2.2925E-05	2-3341-HX2-MO * 2-3341-TC1-HOP * /2-3341-HX1-MO +
167	2.2925E-05	2-3341-HX1-MO * 2-3341-TC2-HOP * /2-3341-HX2-MO +
168	2.2925E-05	2-3341-HX1-MO * 2-7230-V61-CSP * /2-3341-HX2-MO +
169	2.2925E-05	2-3341-HX2-MO * 2-7230-V57-CSP * /2-3341-HX1-MO +
170	2.2925E-05	2-3341-HX2-MO * 2-7230-V11-CSP * /2-3341-HX1-MO +
171	2.2140E-05	2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-3341-TY2-HOP +
172	2.2140E-05	2-3341-MV25-DH * 2-3341-HS25C-CSP * 2-3341-TY1-HOP +
173	2.2010E-05	2-3341-PV80-SC * 2-K0317-519-SC +
174	2.2010E-05	2-3341-PV70-SC * 2-K0317-522-SC +
175	2.2000E-05	2-3341-MV22-CH * 2-7230-V61-CH +
176	2.2000E-05	2-3341-MV25-CH * 2-7230-VHX1-CH +
177	2.2000E-05	2-3341-MV22-CH * 2-7230-V60-SC +
178	2.2000E-05	2-3341-MV22-CH * 2-7230-V12-SC +
179	2.1735E-05	2-3341-PV80-SC * 2-K0317-805-SC +
180	2.1735E-05	2-3341-PV70-SC * 2-K0317-704-SC +
181	2.1330E-05	2-3341-MV25-DH * 2-3341-HS25C-CSP * 2-7230-TCV111-SC +
182	2.1330E-05	2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-7230-TCV121-SC +

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                  183   2.0656E-05    2-3341-MV4-SC * 2-K0015-201-SO +
                  184   2.0656E-05    2-3341-MV2-SC * 2-K0315-201-SO +
                  185   2.0656E-05    2-3341-MV1-SC * 2-K0315-501-SO +
                  186   2.0656E-05    2-3341-MV5-SC * 2-K0315-101-SO +
                  187   2.0656E-05    2-3341-MV7-SC * 2-K0015-101-SO +
                  188   2.0656E-05    2-3341-MV3-SC * 2-K0015-501-SO +
1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 8

                  TERM      PROB.
                 NUMBER    OF TERM
                  189   2.0656E-05    2-3341-MV8-SC * 2-K0015-216-SO +
                  190   2.0656E-05    2-3341-MV6-SC * 2-K0315-216-SO +
                  191   1.8200E-05    2-7230-VHX1-CH * 2-3341-HX2-ITP +
                  192   1.8200E-05    2-7230-V61-CH * 2-3341-HX1-ITP +
                  193   1.8200E-05    2-7230-V60-SC * 2-3341-HX1-ITP +
                  194   1.8200E-05    2-7230-V12-SC * 2-3341-HX1-ITP +
                  195   1.7776E-05    2-3341-MV1EPO-DH * 2-3341-HS1O-CSP * 2-3341-MV7-SC +
                  196   1.7776E-05    2-3341-MV2EPO-DH * 2-3341-HS2O-CSP * 2-3341-MV4-SC +
                  197   1.7776E-05    2-3341-MV1-SC * 2-3341-MV7EPO-DH * 2-3341-HS7O-CSP +
                  198   1.7776E-05    2-3341-MV2-SC * 2-3341-MV4EPO-DH * 2-3341-HS4O-CSP +
                  199   1.7776E-05    2-3341-MV6-SC * 2-3341-MV8EPO-DH * 2-3341-HS8O-CSP +
                  200   1.7776E-05    2-3341-MV5EPO-DH * 2-3341-HS5O-CSP * 2-3341-MV3-SC +
                  201   1.7776E-05    2-3341-MV6EPO-DH * 2-3341-HS6O-CSP * 2-3341-MV8-SC +
                  202   1.7776E-05    2-3341-MV5-SC * 2-3341-MV3EPO-DH * 2-3341-HS3O-CSP +
                  203   1.6428E-05    2-K0317-X5-SC +
                  204   1.5349E-05    2-3341-HS7OC-SC * 2-3341-HS8OC-SC +
                  205   1.5349E-05    2-3341-HS6O-SO * 2-3341-HS8O-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
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206	1.5349E-05	2-3341-HS2O-SO * 2-3341-HS4O-SO +
207	1.5349E-05	2-3341-HS1O-SO * 2-3341-HS7O-SO +
208	1.5349E-05	2-3341-HS5O-SO * 2-3341-HS3O-SO +
209	1.4850E-05	2-3341-MV22-CH * 2-3341-MV25-DH * 2-3341-HS25C-CSP +
210	1.4850E-05	2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-3341-MV25-CH +
211	1.3545E-05	2-3341-VP1-CH * 2-3341-P2-SF * 2-7230-VSDCP3-CH +
212	1.3545E-05	2-3341-P1-SF * 2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH +
213	1.3545E-05	2-3341-P1-SF * 2-3341-VP2-CH * 2-7230-VSDCP3-CH +
214	1.3545E-05	2-3341-P1-SF * 2-7230-VSDCP2-CH * 2-3341-VP3-CH +
215	1.3545E-05	2-7230-VSDCP1-CH * 2-3341-P2-SF * 2-7230-VSDCP3-CH +

TERM NUMBER	PROB. OF TERM	
216	1.3545E-05	2-3341-VP1-CH * 2-3341-P2-SF * 2-3341-VP3-CH +
217	1.3545E-05	2-3341-P1-SF * 2-3341-VP2-CH * 2-3341-VP3-CH +
218	1.3545E-05	2-7230-VSDCP1-CH * 2-3341-P2-SF * 2-3341-VP3-CH +
219	1.3545E-05	2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-3341-P3-SF +
220	1.3545E-05	2-3341-VP1-CH * 2-3341-VP2-CH * 2-3341-P3-SF +
221	1.3545E-05	2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-3341-P3-SF +
222	1.3545E-05	2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-3341-P3-SF +
223	1.3200E-05	2-3341-V26-CH * 2-7230-VHX1-CH +
224	1.3200E-05	2-3341-V23-CH * 2-7230-V61-CH +
225	1.3200E-05	2-3341-V23-CH * 2-7230-V60-SC +
226	1.3200E-05	2-3341-V23-CH * 2-7230-V12-SC +
227	1.2453E-05	2-3341-HS3O-SO * 2-K0015-SO +
228	1.2453E-05	2-3341-HS4O-SO * 2-K0015-SO +

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

                    229   1.2453E-05    2-3341-HS2O-SO * 2-K0315-SO +

                    230   1.2453E-05    2-3341-HS1O-SO * 2-K0315-SO +

                    231   1.2453E-05    2-3341-HS7O-SO * 2-K0015-SO +

                    232   1.2453E-05    2-3341-HS8O-SO * 2-K0015-SO +

                    233   1.2453E-05    2-3341-HS6O-SO * 2-K0315-SO +

                    234   1.2453E-05    2-3341-HS5O-SO * 2-K0315-SO +

                    235   1.2285E-05    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-3341-HX2-ITP +

                    236   1.2285E-05    2-3341-MV25-DH * 2-3341-HS25C-CSP * 2-3341-HX1-ITP +

                    237   1.2140E-05    2-3341-SV70-SC * 2-3341-HS80C-SC +

                    238   1.2140E-05    2-3341-HS70C-SC * 2-3341-SV80-SC +

                    239   1.2000E-05    2-7230-V11-CSP * 2-7230-V61-CH +

                    240   1.2000E-05    2-7230-V60-SC * 2-3341-TC1-HOP +

                    241   1.2000E-05    2-7230-VHX1-CH * 2-3341-TC2-HOP +

                    242   1.2000E-05    2-7230-V11-CSP * 2-7230-V60-SC +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 10

                   TERM      PROB.
                  NUMBER    OF TERM

                    243   1.2000E-05    2-7230-V12-SC * 2-3341-TC1-HOP +

                    244   1.2000E-05    2-7230-V58-CSP * 2-7230-V61-CH +

                    245   1.2000E-05    2-7230-V11-CSP * 2-7230-V12-SC +

                    246   1.2000E-05    2-7230-V58-CSP * 2-7230-V60-SC +

                    247   1.2000E-05    2-7230-V58-CSP * 2-7230-V12-SC +

                    248   1.2000E-05    2-7230-VHX1-CH * 2-7230-V61-CSP +

                    249   1.2000E-05    2-7230-V57-CSP * 2-7230-V61-CH +

                    250   1.2000E-05    2-7230-V57-CSP * 2-7230-V60-SC +

                    251   1.2000E-05    2-7230-V61-CH * 2-3341-TC1-HOP +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                    252   1.2000E-05    2-7230-V57-CSP * 2-7230-V12-SC +
                    253   1.1514E-05    2-3341-VP1-CH * 2-3341-P2-SF * 2-3341-PM3-SF +
                    254   1.1514E-05    2-3341-PM1-SF * 2-3341-P2-SF * 2-3341-VP3-CH +
                    255   1.1514E-05    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-3341-P3-SF +
                    256   1.1514E-05    2-3341-VP1-CH * 2-3341-PM2-SF * 2-3341-P3-SF +
                    257   1.1514E-05    2-3341-P1-SF * 2-3341-VP2-CH * 2-3341-PM3-SF +
                    258   1.1514E-05    2-7230-VSDCP1-CH * 2-3341-P2-SF * 2-3341-PM3-SF +
                    259   1.1514E-05    2-3341-P1-SF * 2-7230-VSDCP2-CH * 2-3341-PM3-SF +
                    260   1.1514E-05    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-3341-P3-SF +
                    261   1.1514E-05    2-3341-PM1-SF * 2-3341-P2-SF * 2-7230-VSDCP3-CH +
                    262   1.1514E-05    2-3341-PM1-SF * 2-3341-VP2-CH * 2-3341-P3-SF +
                    263   1.1514E-05    2-3341-P1-SF * 2-3341-PM2-SF * 2-7230-VSDCP3-CH +
                    264   1.1514E-05    2-3341-P1-SF * 2-3341-PM2-SF * 2-3341-VP3-CH +
                    265   1.1189E-05    2-3341-TY1-HOP * 2-3341-LHX2-FO +
                    266   1.1189E-05    2-3341-LHX1-FO * 2-3341-TY2-HOP +
                    267   1.0780E-05    2-3341-LHX1-FO * 2-7230-TCV121-SC +
                    268   1.0780E-05    2-7230-TCV111-SC * 2-3341-LHX2-FO +
                    269   1.0103E-05    2-K0015-SO * 2-K0315-SO +
1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 11
                   TERM      PROB.
                  NUMBER   OF TERM
                    270   9.7873E-06    2-3341-PM1-SF * 2-3341-P2-SF * 2-3341-PM3-SF +
                    271   9.7873E-06    2-3341-P1-SF * 2-3341-PM2-SF * 2-3341-PM3-SF +
                    272   9.7873E-06    2-3341-PM1-SF * 2-3341-PM2-SF * 2-3341-P3-SF +
                    273   9.6015E-06    2-3341-SV70-SC * 2-3341-SV80-SC +
                    274   8.9100E-06    2-3341-V23-CH * 2-3341-MV25-DH * 2-3341-HS25C-CSP +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

                    275   8.9100E-06    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-3341-V26-CH +
                    276   8.5588E-06    2-3341-MV1S-SC * 2-3341-MV7-SC +
                    277   8.5588E-06    2-3341-MV6S-SC * 2-3341-MV8-SC +
                    278   8.5588E-06    2-3341-MV6-SC * 2-3341-MV8S-SC +
                    279   8.5588E-06    2-3341-MV1-SC * 2-3341-MV7S-SC +
                    280   8.5588E-06    2-3341-MV2S-SC * 2-3341-MV4-SC +
                    281   8.5588E-06    2-3341-MV2-SC * 2-3341-MV4S-SC +
                    282   8.5588E-06    2-3341-MV5-SC * 2-3341-MV3S-SC +
                    283   8.5588E-06    2-3341-MV5S-SC * 2-3341-MV3-SC +
                    284   8.1000E-06    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-7230-V61-CSP +
                    285   8.1000E-06    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-3341-TC2-HOP +
                    286   8.1000E-06    2-3341-MV25-DH * 2-3341-HS25C-CSP * 2-7230-V58-CSP +
                    287   8.1000E-06    2-3341-MV25-DH * 2-3341-HS25C-CSP * 2-3341-TC1-HOP +
                    288   8.1000E-06    2-3341-MV25-DH * 2-3341-HS25C-CSP * 2-7230-V57-CSP +
                    289   8.1000E-06    2-3341-MV25-DH * 2-3341-HS25C-CSP * 2-7230-V11-CSP +
                    290   7.9420E-06    2-3341-HS11N-SO * 2-3341-VP2-CH * 2-3341-VP3-CH +
                    291   7.9420E-06    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-3341-HS13N-SO +
                    292   7.9420E-06    2-3341-VP1-CH * 2-3341-HS12N-SO * 2-7230-VSDCP3-CH +
                    293   7.9420E-06    2-3341-HS11N-SO * 2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH +
                    294   7.9420E-06    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-3341-HS13N-SO +
                    295   7.9420E-06    2-3341-VP1-CH * 2-3341-VP2-CH * 2-3341-HS13N-SO +
                    296   7.9420E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-3341-HS13N-SO +
1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 12

                   TERM      PROB.
                  NUMBER    OF TERM

                    297   7.9420E-06    2-7230-VSDCP1-CH * 2-3341-HS12N-SO * 2-7230-VSDCP3-CH +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
     298   7.9420E-06    2-3341-HS11N-SO * 2-3341-VP2-CH * 2-7230-VSDCP3-CH +
     299   7.9420E-06    2-7230-VSDCP1-CH * 2-3341-HS12N-SO * 2-3341-VP3-CH +
     300   7.9420E-06    2-3341-VP1-CH * 2-3341-HS12N-SO * 2-3341-VP3-CH +
     301   7.9420E-06    2-3341-HS11N-SO * 2-7230-VSDCP2-CH * 2-3341-VP3-CH +
     302   7.7094E-06    2-3341-MV3-SC * 2-K0015-FO +
     303   7.7094E-06    2-3341-MV4-SC * 2-K0015-FO +
     304   7.7094E-06    2-3341-MV5-SC * 2-K0315-FO +
     305   7.7094E-06    2-3341-MV6-SC * 2-K0315-FO +
     306   7.7094E-06    2-3341-MV7-SC * 2-K0015-FO +
     307   7.7094E-06    2-3341-MV8-SC * 2-K0015-FO +
     308   7.7094E-06    2-3341-MV1-SC * 2-K0315-FO +
     309   7.7094E-06    2-3341-MV2-SC * 2-K0315-FO +
     310   7.6418E-06    2-3341-HX2-MO * 2-7230-VHX1-CH * /2-3341-HX1-MO +
     311   7.6418E-06    2-3341-HX1-MO * 2-7230-V61-CH * /2-3341-HX2-MO +
     312   7.6418E-06    2-3341-HX1-MO * 2-7230-V60-SC * /2-3341-HX2-MO +
     313   7.6418E-06    2-3341-HX1-MO * 2-7230-V12-SC * /2-3341-HX2-MO +
     314   7.5050E-06    2-3341-MV25-CH * 2-3341-LHX1-FO +
     315   7.5050E-06    2-3341-MV22-CH * 2-3341-LHX2-FO +
     316   6.9366E-06    2-3341-MV25-DH * 2-3341-TY1-HOP * 2-K0317-102-CSP +
     317   6.9366E-06    2-3341-MV22-DH * 2-3341-TY2-HOP * 2-K0017-502-CSP +
     318   6.7512E-06    2-3341-PM1-SF * 2-3341-HS12N-SO * 2-7230-VSDCP3-CH +
     319   6.7512E-06    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-3341-HS13N-SO +
     320   6.7512E-06    2-3341-PM1-SF * 2-3341-VP2-CH * 2-3341-HS13N-SO +
     321   6.7512E-06    2-3341-HS11N-SO * 2-3341-PM2-SF * 2-7230-VSDCP3-CH +
     322   6.7512E-06    2-3341-PM1-SF * 2-3341-HS12N-SO * 2-3341-VP3-CH +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                323   6.7512E-06    2-3341-HS11N-SO * 2-3341-PM2-SF * 2-3341-VP3-CH +
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TERM NUMBER	PROB. OF TERM	
324	6.7512E-06	2-3341-VP1-CH * 2-3341-PM2-SF * 2-3341-HS13N-SO +
325	6.7512E-06	2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-3341-HS13N-SO +
326	6.7512E-06	2-3341-HS11N-SO * 2-7230-VSDCP2-CH * 2-3341-PM3-SF +
327	6.7512E-06	2-3341-VP1-CH * 2-3341-HS12N-SO * 2-3341-PM3-SF +
328	6.7512E-06	2-3341-HS11N-SO * 2-3341-VP2-CH * 2-3341-PM3-SF +
329	6.7512E-06	2-7230-VSDCP1-CH * 2-3341-HS12N-SO * 2-3341-PM3-SF +
330	6.6828E-06	2-3341-MV25-DH * 2-7230-TCV111-SC * 2-K0317-102-CSP +
331	6.6828E-06	2-3341-MV22-DH * 2-7230-TCV121-SC * 2-K0017-502-CSP +
332	6.6737E-06	2-3341-HS7O-SO * 2-K0015-410-SO +
333	6.6737E-06	2-3341-HS6O-SO * 2-K0315-710-SO +
334	6.6737E-06	2-3341-HS2O-SO * 2-K0315-810-SO +
335	6.6737E-06	2-3341-HS5O-SO * 2-K0315-410-SO +
336	6.6737E-06	2-3341-HS1O-SO * 2-K0315-812-SO +
337	6.6737E-06	2-3341-HS8O-SO * 2-K0015-812-SO +
338	6.6737E-06	2-3341-HS4O-SO * 2-K0015-710-SO +
339	6.6737E-06	2-3341-HS3O-SO * 2-K0015-810-SO +
340	6.4383E-06	2-3341-VP1-CH * 2-7230-VSDCP3-CH * 2-K0314-SO +
341	6.4383E-06	2-7230-VSDCP1-CH * 2-7230-VSDCP3-CH * 2-K0314-SO +
342	6.4383E-06	2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH * 2-K0014-SO +
343	6.4383E-06	2-7230-VSDCP1-CH * 2-3341-VP3-CH * 2-K0314-SO +
344	6.4383E-06	2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-K0162-SO +
345	6.4383E-06	2-3341-VP1-CH * 2-3341-VP2-CH * 2-K0162-SO +

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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                346   6.4383E-06    2-3341-VP1-CH * 2-3341-VP3-CH * 2-K0314-SO +

                347   6.4383E-06    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-K0162-SO +

                348   6.4383E-06    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-K0162-SO +

                349   6.4383E-06    2-3341-VP2-CH * 2-7230-VSDCP3-CH * 2-K0014-SO +

                350   6.4383E-06    2-7230-VSDCP2-CH * 2-3341-VP3-CH * 2-K0014-SO +

1     DATE: 1988-06-09              * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *              PAGE: 14

                TERM      PROB.
               NUMBER    OF TERM

                351   6.4383E-06    2-3341-VP2-CH * 2-3341-VP3-CH * 2-K0014-SO +

                352   6.2491E-06    2-3341-MV21-DH * 2-K0017-X1-CSP +

                353   6.2087E-06    2-3341-LHX1-FO * 2-3341-HX2-ITP +

                354   6.2087E-06    2-3341-HX1-ITP * 2-3341-LHX2-FO +

                355   6.1970E-06    2-3341-HS2O-SO * 2-K0315-801-SO +

                356   6.1970E-06    2-3341-HS8O-SO * 2-K0015-805-SO +

                357   6.1970E-06    2-3341-HS6O-SO * 2-K0315-701-SO +

                358   6.1970E-06    2-3341-HS1O-SO * 2-K0315-805-SO +

                359   6.1970E-06    2-3341-HS5O-SO * 2-K0315-401-SO +

                360   6.1970E-06    2-3341-HS4O-SO * 2-K0015-701-SO +

                361   6.1970E-06    2-3341-HS3O-SO * 2-K0015-801-SO +

                362   6.1970E-06    2-3341-HS7O-SO * 2-K0015-401-SO +

                363   5.7389E-06    2-3341-HS11N-SO * 2-3341-PM2-SF * 2-3341-PM3-SF +

                364   5.7389E-06    2-3341-PM1-SF * 2-3341-HS12N-SO * 2-3341-PM3-SF +

                365   5.7389E-06    2-3341-PM1-SF * 2-3341-PM2-SF * 2-3341-HS13N-SO +

                366   5.5737E-06    2-3341-MV1EPO-DH * 2-3341-MV7-SC * 2-K0015-101-CSP +

                367   5.5737E-06    2-3341-MV2EPO-DH * 2-3341-MV4-SC * 2-K0015-201-CSP +

                368   5.5737E-06    2-3341-MV1-SC * 2-3341-MV7EPO-DH * 2-K0315-501-CSP +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                  369   5.5737E-06    2-3341-MV2-SC * 2-3341-MV4EPO-DH * 2-K0315-201-CSP +

                  370   5.5737E-06    2-3341-MV6-SC * 2-3341-MV8EPO-DH * 2-K0315-216-CSP +

                  371   5.5737E-06    2-3341-MV5EPO-DH * 2-3341-MV3-SC * 2-K0015-501-CSP +

                  372   5.5737E-06    2-3341-MV6EPO-DH * 2-3341-MV8-SC * 2-K0015-216-CSP +

                  373   5.5737E-06    2-3341-MV5-SC * 2-3341-MV3EPO-DH * 2-K0315-101-CSP +

                  374   5.4729E-06    2-3341-PM2-SF * 2-7230-VSDCP3-CH * 2-K0014-SO +

                  375   5.4729E-06    2-3341-PM2-SF * 2-3341-VP3-CH * 2-K0014-SO +

                  376   5.4729E-06    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-K0162-SO +

                  377   5.4729E-06    2-3341-VP2-CH * 2-3341-PM3-SF * 2-K0014-SO +

1     DATE: 1988-06-09              * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *              PAGE: 15

                  TERM      PROB.
                 NUMBER    OF TERM

                  378   5.4729E-06    2-3341-PM1-SF * 2-7230-VSDCP3-CH * 2-K0314-SO +

                  379   5.4729E-06    2-3341-VP1-CH * 2-3341-PM2-SF * 2-K0162-SO +

                  380   5.4729E-06    2-7230-VSDCP1-CH * 2-3341-PM3-SF * 2-K0314-SO +

                  381   5.4729E-06    2-3341-PM1-SF * 2-3341-VP2-CH * 2-K0162-SO +

                  382   5.4729E-06    2-3341-VP1-CH * 2-3341-PM3-SF * 2-K0314-SO +

                  383   5.4729E-06    2-3341-PM1-SF * 2-3341-VP3-CH * 2-K0314-SO +

                  384   5.4729E-06    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-K0162-SO +

                  385   5.4729E-06    2-7230-VSDCP2-CH * 2-3341-PM3-SF * 2-K0014-SO +

                  386   5.4143E-06    2-K0315-SO * 2-K0015-812-SO +

                  387   5.4143E-06    2-K0015-710-SO * 2-K0315-SO +

                  388   5.4143E-06    2-K0015-SO * 2-K0315-410-SO +

                  389   5.4143E-06    2-K0015-SO * 2-K0315-812-SO +

                  390   5.4143E-06    2-K0015-410-SO * 2-K0315-SO +

                  391   5.4143E-06    2-K0315-SO * 2-K0015-810-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                392   5.4143E-06    2-K0015-SO * 2-K0315-710-SO +

                393   5.4143E-06    2-K0015-SO * 2-K0315-810-SO +

                394   5.1582E-06    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-3341-HX2-MO * /2-3341-HX1-MO +

                395   5.1582E-06    2-3341-HX1-MO * 2-3341-MV25-DH * 2-3341-HS25C-CSP * /2-3341-HX2-MO +

                396   5.1030E-06    608-PK-00-DH * 2-K0015-Y8-OH * 2-K0315-Y7-OH +

                397   5.1030E-06    608-PK-00-DH * 2-K0015-Y7-OH * 2-K0315-Y8-OH +

                398   5.1030E-06    608-PK-00-DH * 2-K0315-Y4-OH * 2-K0015-Y8-OH +

                399   5.1030E-06    608-PK-00-DH * 2-K0015-Y4-OH * 2-K0315-Y8-OH +

                400   5.0276E-06    2-K0015-SO * 2-K0315-805-SO +

                401   5.0276E-06    2-K0015-SO * 2-K0315-401-SO +

                402   5.0276E-06    2-K0015-401-SO * 2-K0315-SO +

                403   5.0276E-06    2-K0315-SO * 2-K0015-801-SO +

                404   5.0276E-06    2-K0015-SO * 2-K0315-701-SO +

1     DATE: 1988-06-09              * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *              PAGE: 16

                TERM      PROB.
               NUMBER    OF TERM

                405   5.0276E-06    2-K0015-SO * 2-K0315-801-SO +

                406   5.0276E-06    2-K0315-SO * 2-K0015-805-SO +

                407   5.0276E-06    2-K0015-701-SO * 2-K0315-SO +

                408   4.6526E-06    2-3341-MV22-CH * 2-3341-MV25-DH * 2-K0317-102-CSP +

                409   4.6526E-06    2-3341-MV22-DH * 2-3341-MV25-CH * 2-K0017-502-CSP +

                410   4.6523E-06    2-3341-PM1-SF * 2-3341-PM2-SF * 2-K0162-SO +

                411   4.6523E-06    2-3341-PM1-SF * 2-3341-PM3-SF * 2-K0314-SO +

                412   4.6523E-06    2-3341-PM2-SF * 2-3341-PM3-SF * 2-K0014-SO +

                413   4.5030E-06    2-3341-V23-CH * 2-3341-LHX2-FO +

                414   4.5030E-06    2-3341-V26-CH * 2-3341-LHX1-FO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                    415   4.3781E-06    2-3341-HS6O-SO * 2-K0315-216-SO +

                    416   4.3781E-06    2-3341-HS8OC-SC * 2-K0317-519-SC +

                    417   4.3781E-06    2-3341-HS7OC-SC * 2-K0317-522-SC +

                    418   4.3781E-06    2-3341-HS8O-SO * 2-K0015-216-SO +

                    419   4.3781E-06    2-3341-HS1O-SO * 2-K0315-501-SO +

                    420   4.3781E-06    2-3341-HS5O-SO * 2-K0315-101-SO +

                    421   4.3781E-06    2-3341-HS2O-SO * 2-K0315-201-SO +

                    422   4.3781E-06    2-3341-HS4O-SO * 2-K0015-201-SO +

                    423   4.3781E-06    2-3341-HS3O-SO * 2-K0015-501-SO +

                    424   4.3781E-06    2-3341-HS7O-SO * 2-K0015-101-SO +

                    425   4.3235E-06    2-3341-HS7OC-SC * 2-K0317-704-SC +

                    426   4.3235E-06    2-3341-HS8OC-SC * 2-K0317-805-SC +

                    427   4.0936E-06    2-7230-V57-CSP * 2-3341-LHX2-FO +

                    428   4.0936E-06    2-3341-TC1-HOP * 2-3341-LHX2-FO +

                    429   4.0936E-06    2-7230-V11-CSP * 2-3341-LHX2-FO +

                    430   4.0936E-06    2-3341-LHX1-FO * 2-3341-TC2-HOP +

                    431   4.0936E-06    2-7230-V61-CSP * 2-3341-LHX1-FO +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 17

                   TERM      PROB.
                  NUMBER    OF TERM

                    432   4.0936E-06    2-7230-V58-CSP * 2-3341-LHX2-FO +

                    433   4.0000E-06    2-7230-VHX1-CH * 2-7230-V61-CH +

                    434   4.0000E-06    2-7230-VHX1-CH * 2-7230-V60-SC +

                    435   4.0000E-06    2-7230-VHX1-CH * 2-7230-V12-SC +

                    436   3.8490E-06    2-3341-MV25-DH * 2-3341-HX1-ITP * 2-K0317-102-CSP +

                    437   3.8490E-06    2-3341-MV22-DH * 2-3341-HX2-ITP * 2-K0017-502-CSP +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                  438   3.7675E-06    2-3341-MV5EPO-DH * 2-3341-HS5O-CSP * 2-3341-HS3O-SO +

                  439   3.7675E-06    2-3341-MV6EPO-DH * 2-3341-HS6O-CSP * 2-3341-HS8O-SO +

                  440   3.7675E-06    2-3341-HS5O-SO * 2-3341-MV3EPO-DH * 2-3341-HS3O-CSP +

                  441   3.7675E-06    2-3341-MV1EPO-DH * 2-3341-HS1O-CSP * 2-3341-HS7O-SO +

                  442   3.7675E-06    2-3341-MV2EPO-DH * 2-3341-HS2O-CSP * 2-3341-HS4O-SO +

                  443   3.7675E-06    2-3341-HS1O-SO * 2-3341-MV7EPO-DH * 2-3341-HS7O-CSP +

                  444   3.7675E-06    2-3341-HS2O-SO * 2-3341-MV4EPO-DH * 2-3341-HS4O-CSP +

                  445   3.7675E-06    2-3341-HS6O-SO * 2-3341-MV8EPO-DH * 2-3341-HS8O-CSP +

                  446   3.5519E-06    2-K0015-201-SO * 2-K0315-SO +

                  447   3.5519E-06    2-K0015-SO * 2-K0315-101-SO +

                  448   3.5519E-06    2-K0015-SO * 2-K0315-501-SO +

                  449   3.5519E-06    2-K0315-SO * 2-K0015-501-SO +

                  450   3.5519E-06    2-K0015-101-SO * 2-K0315-SO +

                  451   3.5519E-06    2-K0015-SO * 2-K0315-216-SO +

                  452   3.5519E-06    2-K0015-SO * 2-K0315-201-SO +

                  453   3.5519E-06    2-K0315-SO * 2-K0015-216-SO +

                  454   3.4937E-06    2-3341-MV3-SC * 608-PK-00-DH * 2-K0015-Y8-OH +

                  455   3.4937E-06    2-3341-MV1-SC * 608-PK-00-DH * 2-K0315-Y8-OH +

                  456   3.4937E-06    2-3341-MV7-SC * 608-PK-00-DH * 2-K0015-Y4-OH +

                  457   3.4937E-06    2-3341-MV6-SC * 608-PK-00-DH * 2-K0315-Y7-OH +

                  458   3.4937E-06    2-3341-MV8-SC * 608-PK-00-DH * 2-K0015-Y8-OH +

I     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 18

                    TERM      PROB.
                  NUMBER    OF TERM

                  459   3.4937E-06    2-3341-MV5-SC * 608-PK-00-DH * 2-K0315-Y4-OH +

                  460   3.4937E-06    2-3341-MV4-SC * 608-PK-00-DH * 2-K0015-Y7-OH +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                461   3.4937E-06    2-3341-MV2-SC * 608-PK-00-DH * 2-K0315-Y8-OH +
                462   3.4626E-06    2-3341-SV80-SC * 2-K0317-519-SC +
                463   3.4626E-06    2-3341-SV70-SC * 2-K0317-522-SC +
                464   3.4504E-06    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-K0162-412-SO +
                465   3.4504E-06    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-K0162-412-SO +
                466   3.4504E-06    2-7230-VSDCP1-CH * 2-3341-VP3-CH * 2-K0314-412-SO +
                467   3.4504E-06    2-3341-VP2-CH * 2-7230-VSDCP3-CH * 2-K0014-412-SO +
                468   3.4504E-06    2-7230-VSDCP2-CH * 2-3341-VP3-CH * 2-K0014-412-SO +
                469   3.4504E-06    2-3341-VP2-CH * 2-3341-VP3-CH * 2-K0014-412-SO +
                470   3.4504E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-K0162-412-SO +
                471   3.4504E-06    2-3341-VP1-CH * 2-7230-VSDCP3-CH * 2-K0314-412-SO +
                472   3.4504E-06    2-3341-VP1-CH * 2-3341-VP2-CH * 2-K0162-412-SO +
                473   3.4504E-06    2-3341-VP1-CH * 2-3341-VP3-CH * 2-K0314-412-SO +
                474   3.4504E-06    2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH * 2-K0014-412-SO +
                475   3.4504E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP3-CH * 2-K0314-412-SO +
                476   3.4195E-06    2-3341-SV70-SC * 2-K0317-704-SC +
                477   3.4195E-06    2-3341-SV80-SC * 2-K0317-805-SC +
                478   3.3433E-06    2-7230-VSDCP1-CH * 2-3341-P2-SF * 2-3341-P3-SF +
                479   3.3433E-06    2-3341-VP1-CH * 2-3341-P2-SF * 2-3341-P3-SF +
                480   3.3433E-06    2-3341-P1-SF * 2-7230-VSDCP2-CH * 2-3341-P3-SF +
                481   3.3433E-06    2-3341-P1-SF * 2-3341-P2-SF * 2-7230-VSDCP3-CH +
                482   3.3433E-06    2-3341-P1-SF * 2-3341-VP2-CH * 2-3341-P3-SF +
                483   3.3433E-06    2-3341-P1-SF * 2-3341-P2-SF * 2-3341-VP3-CH +
                484   3.2314E-06    2-3341-TY1-HOP * 2-7230-LHX2-FO +
                485   3.2314E-06    2-7230-LHX1-FO * 2-3341-TY2-HOP +
1     DATE: 1988-06-09              * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *              PAGE: 19
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

  TERM     PROB.
 NUMBER   OF TERM

   486   3.2039E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-K0162-401-SO +
   487   3.2039E-06    2-3341-VP1-CH * 2-7230-VSDCP3-CH * 2-K0314-401-SO +
   488   3.2039E-06    2-3341-VP1-CH * 2-3341-VP2-CH * 2-K0162-401-SO +
   489   3.2039E-06    2-3341-VP1-CH * 2-3341-VP3-CH * 2-K0314-401-SO +
   490   3.2039E-06    2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH * 2-K0014-401-SO +
   491   3.2039E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP3-CH * 2-K0314-401-SO +
   492   3.2039E-06    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-K0162-401-SO +
   493   3.2039E-06    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-K0162-401-SO +
   494   3.2039E-06    2-7230-VSDCP1-CH * 2-3341-VP3-CH * 2-K0314-401-SO +
   495   3.2039E-06    2-3341-VP2-CH * 2-7230-VSDCP3-CH * 2-K0014-401-SO +
   496   3.2039E-06    2-7230-VSDCP2-CH * 2-3341-VP3-CH * 2-K0014-401-SO +
   497   3.2039E-06    2-3341-VP2-CH * 2-3341-VP3-CH * 2-K0014-401-SO +
   498   3.1132E-06    2-7230-LHX1-FO * 2-7230-TCV121-SC +
   499   3.1132E-06    2-7230-TCV111-SC * 2-7230-LHX2-FO +
   500   3.0566E-06    2-3341-MV2EPO-DH * 2-3341-HS2O-CSP * 2-K0315-SO +
   501   3.0566E-06    2-3341-MV4EPO-DH * 2-3341-HS4O-CSP * 2-K0015-SO +
   502   3.0566E-06    2-3341-MV7EPO-DH * 2-3341-HS7O-CSP * 2-K0015-SO +
   503   3.0566E-06    2-3341-MV1EPO-DH * 2-3341-HS1O-CSP * 2-K0315-SO +
   504   3.0566E-06    2-3341-MV8EPO-DH * 2-3341-HS8O-CSP * 2-K0015-SO +
   505   3.0566E-06    2-3341-MV6EPO-DH * 2-3341-HS6O-CSP * 2-K0315-SO +
   506   3.0566E-06    2-3341-MV3EPO-DH * 2-3341-HS3O-CSP * 2-K0015-SO +
   507   3.0566E-06    2-3341-MV5EPO-DH * 2-3341-HS5O-CSP * 2-K0315-SO +
   508   2.9331E-06    2-3341-VP1-CH * 2-3341-PM2-SF * 2-K0162-412-SO +
   509   2.9331E-06    2-7230-VSDCP1-CH * 2-3341-PM3-SF * 2-K0314-412-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

                510   2.9331E-06    2-3341-VP1-CH * 2-3341-PM3-SF * 2-K0314-412-SO +
                511   2.9331E-06    2-3341-PM1-SF * 2-7230-VSDCP3-CH * 2-K0314-412-SO +
                512   2.9331E-06    2-7230-VSDCP2-CH * 2-3341-PM3-SF * 2-K0014-412-SO +
1     DATE: 1988-06-09              * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *              PAGE: 20

                TERM      PROB.
               NUMBER   OF TERM
                513   2.9331E-06    2-3341-PM1-SF * 2-3341-VP2-CH * 2-K0162-412-SO +
                514   2.9331E-06    2-3341-PM1-SF * 2-3341-VP3-CH * 2-K0314-412-SO +
                515   2.9331E-06    2-3341-PM2-SF * 2-7230-VSDCP3-CH * 2-K0014-412-SO +
                516   2.9331E-06    2-3341-PM2-SF * 2-3341-VP3-CH * 2-K0014-412-SO +
                517   2.9331E-06    2-3341-VP2-CH * 2-3341-PM3-SF * 2-K0014-412-SO +
                518   2.9331E-06    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-K0162-412-SO +
                519   2.9331E-06    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-K0162-412-SO +
                520   2.9017E-06    2-K0015-710-SO * 2-K0315-810-SO +
                521   2.9017E-06    2-K0015-812-SO * 2-K0315-710-SO +
                522   2.9017E-06    2-K0015-410-SO * 2-K0315-812-SO +
                523   2.9017E-06    2-K0315-410-SO * 2-K0015-810-SO +
                524   2.8420E-06    2-3341-PM1-SF * 2-3341-P2-SF * 2-3341-P3-SF +
                525   2.8420E-06    2-3341-P1-SF * 2-3341-PM2-SF * 2-3341-P3-SF +
                526   2.8420E-06    2-3341-P1-SF * 2-3341-P2-SF * 2-3341-PM3-SF +
                527   2.7916E-06    2-3341-V23-CH * 2-3341-MV25-DH * 2-K0317-102-CSP +
                528   2.7916E-06    2-3341-MV22-DH * 2-3341-V26-CH * 2-K0017-502-CSP +
                529   2.7235E-06    2-3341-VP1-CH * 2-3341-PM3-SF * 2-K0314-401-SO +
                530   2.7235E-06    2-7230-VSDCP2-CH * 2-3341-PM3-SF * 2-K0014-401-SO +
                531   2.7235E-06    2-3341-PM1-SF * 2-7230-VSDCP3-CH * 2-K0314-401-SO +
                532   2.7235E-06    2-3341-PM1-SF * 2-3341-VP2-CH * 2-K0162-401-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

                    533   2.7235E-06    2-3341-PM1-SF * 2-3341-VP3-CH * 2-K0314-401-SO +

                    534   2.7235E-06    2-3341-PM2-SF * 2-7230-VSDCP3-CH * 2-K0014-401-SO +

                    535   2.7235E-06    2-3341-PM2-SF * 2-3341-VP3-CH * 2-K0014-401-SO +

                    536   2.7235E-06    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-K0162-401-SO +

                    537   2.7235E-06    2-3341-VP2-CH * 2-3341-PM3-SF * 2-K0014-401-SO +

                    538   2.7235E-06    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-K0162-401-SO +

                    539   2.7235E-06    2-3341-VP1-CH * 2-3341-PM2-SF * 2-K0162-401-SO +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 21

                   TERM      PROB.
                  NUMBER    OF TERM

                    540   2.7235E-06    2-7230-VSDCP1-CH * 2-3341-PM3-SF * 2-K0314-401-SO +

                    541   2.7000E-06    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-7230-V61-CH +

                    542   2.7000E-06    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-7230-V60-SC +

                    543   2.7000E-06    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-7230-V12-SC +

                    544   2.7000E-06    2-3341-MV25-DH * 2-3341-HS25C-CSP * 2-7230-VHX1-CH +

                    545   2.6944E-06    2-K0015-410-SO * 2-K0315-805-SO +

                    546   2.6944E-06    2-K0015-710-SO * 2-K0315-801-SO +

                    547   2.6944E-06    2-K0015-805-SO * 2-K0315-710-SO +

                    548   2.6944E-06    2-K0315-410-SO * 2-K0015-801-SO +

                    549   2.6944E-06    2-K0015-401-SO * 2-K0315-812-SO +

                    550   2.6944E-06    2-K0315-401-SO * 2-K0015-810-SO +

                    551   2.6944E-06    2-K0015-701-SO * 2-K0315-810-SO +

                    552   2.6944E-06    2-K0015-812-SO * 2-K0315-701-SO +

                    553   2.6069E-06    2-3341-HX1-MO * 2-3341-LHX2-FO * /2-3341-HX2-MO +

                    554   2.6069E-06    2-3341-HX2-MO * 2-3341-LHX1-FO * /2-3341-HX1-MO +

                    555   2.5378E-06    2-3341-MV25-DH * 2-7230-V11-CSP * 2-K0317-102-CSP +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

                    556   2.5378E-06    2-3341-MV25-DH * 2-7230-V58-CSP * 2-K0317-102-CSP +

                    557   2.5378E-06    2-3341-MV22-DH * 2-7230-V61-CSP * 2-K0017-502-CSP +

                    558   2.5378E-06    2-3341-MV25-DH * 2-3341-TC1-HOP * 2-K0317-102-CSP +

                    559   2.5378E-06    2-3341-MV22-DH * 2-3341-TC2-HOP * 2-K0017-502-CSP +

                    560   2.5378E-06    2-3341-MV25-DH * 2-7230-V57-CSP * 2-K0317-102-CSP +

                    561   2.5019E-06    2-K0015-401-SO * 2-K0315-805-SO +

                    562   2.5019E-06    2-K0315-401-SO * 2-K0015-801-SO +

                    563   2.5019E-06    2-K0015-701-SO * 2-K0315-801-SO +

                    564   2.5019E-06    2-K0015-805-SO * 2-K0315-701-SO +

                    565   2.4933E-06    2-3341-PM1-SF * 2-3341-PM3-SF * 2-K0314-412-SO +

                    566   2.4933E-06    2-3341-PM2-SF * 2-3341-PM3-SF * 2-K0014-412-SO +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 22

                   TERM      PROB.
                  NUMBER    OF TERM

                    567   2.4933E-06    2-3341-PM1-SF * 2-3341-PM2-SF * 2-K0162-412-SO +

                    568   2.4354E-06    2-3341-MV22-DH * 2-3341-MV22-CSP * 2-3341-TY2-HOP +

                    569   2.4354E-06    2-3341-MV25-DH * 2-3341-MV25-CSP * 2-3341-TY1-HOP +

                    570   2.3463E-06    2-3341-MV22-DH * 2-3341-MV22-CSP * 2-7230-TCV121-SC +

                    571   2.3463E-06    2-3341-MV25-DH * 2-3341-MV25-CSP * 2-7230-TCV111-SC +

                    572   2.3152E-06    2-3341-PM2-SF * 2-3341-PM3-SF * 2-K0014-401-SO +

                    573   2.3152E-06    2-3341-PM1-SF * 2-3341-PM2-SF * 2-K0162-401-SO +

                    574   2.3152E-06    2-3341-PM1-SF * 2-3341-PM3-SF * 2-K0314-401-SO +

                    575   2.2635E-06    2-7230-VSDCP1-CH * 2-3341-VP3-CH * 2-K0314-101-SO +

                    576   2.2635E-06    2-3341-VP2-CH * 2-7230-VSDCP3-CH * 2-K0014-101-SO +

                    577   2.2635E-06    2-7230-VSDCP2-CH * 2-3341-VP3-CH * 2-K0014-101-SO +

                    578   2.2635E-06    2-3341-VP2-CH * 2-3341-VP3-CH * 2-K0014-101-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3

                    579   2.2635E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-K0162-101-SO +
                    580   2.2635E-06    2-3341-VP1-CH * 2-7230-VSDCP3-CH * 2-K0314-101-SO +
                    581   2.2635E-06    2-3341-VP1-CH * 2-3341-VP2-CH * 2-K0162-101-SO +
                    582   2.2635E-06    2-3341-VP1-CH * 2-3341-VP3-CH * 2-K0314-101-SO +
                    583   2.2635E-06    2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH * 2-K0014-101-SO +
                    584   2.2635E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP3-CH * 2-K0314-101-SO +
                    585   2.2635E-06    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-K0162-101-SO +
                    586   2.2635E-06    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-K0162-101-SO +
                    587   2.1674E-06    2-3341-MV22-CH * 2-7230-LHX2-FO +
                    588   2.1674E-06    2-3341-MV25-CH * 2-7230-LHX1-FO +
                    589   2.0893E-06    608-PK-00-DH * 2-K0015-Y4-OH * 2-K0315-DO +
                    590   2.0893E-06    608-PK-00-DH * 2-K0315-DO * 2-K0015-Y8-OH +
                    591   2.0893E-06    608-PK-00-DH * 2-K0015-DO * 2-K0315-Y7-OH +
                    592   2.0893E-06    608-PK-00-DH * 2-K0015-DO * 2-K0315-Y8-OH +
                    593   2.0893E-06    608-PK-00-DH * 2-K0015-Y7-OH * 2-K0315-DO +
1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 23

                   TERM      PROB.
                  NUMBER   OF TERM

                    594   2.0893E-06    608-PK-00-DH * 2-K0015-DO * 2-K0315-Y4-OH +
                    595   1.9604E-06    2-3341-HS11N-SO * 2-7230-VSDCP2-CH * 2-3341-P3-SF +
                    596   1.9604E-06    2-3341-P1-SF * 2-3341-VP2-CH * 2-3341-HS13N-SO +
                    597   1.9604E-06    2-7230-VSDCP1-CH * 2-3341-P2-SF * 2-3341-HS13N-SO +
                    598   1.9604E-06    2-3341-HS11N-SO * 2-3341-P2-SF * 2-7230-VSDCP3-CH +
                    599   1.9604E-06    2-3341-VP1-CH * 2-3341-P2-SF * 2-3341-HS13N-SO +
                    600   1.9604E-06    2-3341-HS11N-SO * 2-3341-VP2-CH * 2-3341-P3-SF +
                    601   1.9604E-06    2-3341-P1-SF * 2-3341-HS12N-SO * 2-3341-VP3-CH +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3 .
                    602   1.9604E-06    2-7230-VSDCP1-CH * 2-3341-HS12N-SO * 2-3341-P3-SF +
                    603   1.9604E-06    2-3341-HS11N-SO * 2-3341-P2-SF * 2-3341-VP3-CH +
                    604   1.9604E-06    2-3341-P1-SF * 2-7230-VSDCP2-CH * 2-3341-HS13N-SO +
                    605   1.9604E-06    2-3341-VP1-CH * 2-3341-HS12N-SO * 2-3341-P3-SF +
                    606   1.9604E-06    2-3341-P1-SF * 2-3341-HS12N-SO * 2-7230-VSDCP3-CH +
                    607   1.9241E-06    2-7230-VSDCP1-CH * 2-3341-PM3-SF * 2-K0314-101-SO +
                    608   1.9241E-06    2-3341-VP1-CH * 2-3341-PM3-SF * 2-K0314-101-SO +
                    609   1.9241E-06    2-3341-PM1-SF * 2-7230-VSDCP3-CH * 2-K0314-101-SO +
                    610   1.9241E-06    2-7230-VSDCP2-CH * 2-3341-PM3-SF * 2-K0014-101-SO +
                    611   1.9241E-06    2-3341-PM1-SF * 2-3341-VP2-CH * 2-K0162-101-SO +
                    612   1.9241E-06    2-3341-PM1-SF * 2-3341-VP3-CH * 2-K0314-101-SO +
                    613   1.9241E-06    2-3341-PM2-SF * 2-7230-VSDCP3-CH * 2-K0014-101-SO +
                    614   1.9241E-06    2-3341-PM2-SF * 2-3341-VP3-CH * 2-K0014-101-SO +
                    615   1.9241E-06    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-K0162-101-SO +
                    616   1.9241E-06    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-K0162-101-SO +
                    617   1.9241E-06    2-3341-VP2-CH * 2-3341-PM3-SF * 2-K0014-101-SO +
                    618   1.9241E-06    2-3341-VP1-CH * 2-3341-PM2-SF * 2-K0162-101-SO +
                    619   1.9035E-06    2-K0015-410-SO * 2-K0315-501-SO +
                    620   1.9035E-06    2-K0015-710-SO * 2-K0315-201-SO +
1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 24

                   TERM      PROB.
                  NUMBER   OF TERM
                    621   1.9035E-06    2-K0315-410-SO * 2-K0015-501-SO +
                    622   1.9035E-06    2-K0015-216-SO * 2-K0315-710-SO +
                    623   1.9035E-06    2-K0015-101-SO * 2-K0315-812-SO +
                    624   1.9035E-06    2-K0315-101-SO * 2-K0015-810-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                    625   1.9035E-06    2-K0015-812-SO * 2-K0315-216-SO +
                    626   1.9035E-06    2-K0015-201-SO * 2-K0315-810-SO +
                    627   1.8225E-06    2-3341-MV22-DH * 2-3341-HS22C-CSP * 2-3341-MV25-DH * 2-3341-HS25C-CSP +
                    628   1.8140E-06    2-3341-MV6S-SC * 2-3341-HS8O-SO +
                    629   1.8140E-06    2-3341-HS5O-SO * 2-3341-MV3S-SC +
                    630   1.8140E-06    2-3341-MV1S-SC * 2-3341-HS7O-SO +
                    631   1.8140E-06    2-3341-MV2S-SC * 2-3341-HS4O-SO +
                    632   1.8140E-06    2-3341-MV5S-SC * 2-3341-HS3O-SO +
                    633   1.8140E-06    2-3341-HS2O-SO * 2-3341-MV4S-SC +
                    634   1.8140E-06    2-3341-HS6O-SO * 2-3341-MV8S-SC +
                    635   1.8140E-06    2-3341-HS1O-SO * 2-3341-MV7S-SC +
                    636   1.7931E-06    2-3341-HX1-ITP * 2-7230-LHX2-FO +
                    637   1.7931E-06    2-7230-LHX1-FO * 2-3341-HX2-ITP +
                    638   1.7676E-06    2-K0015-201-SO * 2-K0315-801-SO +
                    639   1.7676E-06    2-K0015-101-SO * 2-K0315-805-SO +
                    640   1.7676E-06    2-K0315-101-SO * 2-K0015-801-SO +
                    641   1.7676E-06    2-K0015-805-SO * 2-K0315-216-SO +
                    642   1.7676E-06    2-K0015-216-SO * 2-K0315-701-SO +
                    643   1.7676E-06    2-K0015-401-SO * 2-K0315-501-SO +
                    644   1.7676E-06    2-K0315-401-SO * 2-K0015-501-SO +
                    645   1.7676E-06    2-K0015-701-SO * 2-K0315-201-SO +
                    646   1.7118E-06    25333LMV6MCC-OCP * 2-3341-MV8-SC +
                    647   1.7118E-06    2-3341-MV6-SC * 25333LMV8MCC-OCP +
1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 25

                     TERM      PROB.
                    NUMBER   OF TERM
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                  648   1.7118E-06    2-3341-MV1-SC * 25333LMV7MCC-OCP +
                  649   1.7118E-06    25333LMV2MCC-OCP * 2-3341-MV4-SC +
                  650   1.7118E-06    2-3341-MV2-SC * 25333LMV4MCC-OCP +
                  651   1.7118E-06    2-3341-MV5-SC * 25333LMV3MCC-OCP +
                  652   1.7118E-06    25333LMV5MCC-OCP * 2-3341-MV3-SC +
                  653   1.7118E-06    25333LMV1MCC-OCP * 2-3341-MV7-SC +
                  654   1.6665E-06    2-3341-HS11N-SO * 2-3341-P2-SF * 2-3341-PM3-SF +
                  655   1.6665E-06    2-3341-HS11N-SO * 2-3341-PM2-SF * 2-3341-P3-SF +
                  656   1.6665E-06    2-3341-P1-SF * 2-3341-HS12N-SO * 2-3341-PM3-SF +
                  657   1.6665E-06    2-3341-PM1-SF * 2-3341-HS12N-SO * 2-3341-P3-SF +
                  658   1.6665E-06    2-3341-P1-SF * 2-3341-PM2-SF * 2-3341-HS13N-SO +
                  659   1.6665E-06    2-3341-PM1-SF * 2-3341-P2-SF * 2-3341-HS13N-SO +
                  660   1.6381E-06    2-3341-MV4EPO-DH * 2-3341-HS4O-CSP * 2-K0015-710-SO +
                  661   1.6381E-06    2-3341-MV2EPO-DH * 2-3341-HS2O-CSP * 2-K0315-810-SO +
                  662   1.6381E-06    2-3341-MV7EPO-DH * 2-3341-HS7O-CSP * 2-K0015-410-SO +
                  663   1.6381E-06    2-3341-MV8EPO-DH * 2-3341-HS8O-CSP * 2-K0015-812-SO +
                  664   1.6381E-06    2-3341-MV5EPO-DH * 2-3341-HS5O-CSP * 2-K0315-410-SO +
                  665   1.6381E-06    2-3341-MV6EPO-DH * 2-3341-HS6O-CSP * 2-K0315-710-SO +
                  666   1.6381E-06    2-3341-MV3EPO-DH * 2-3341-HS3O-CSP * 2-K0015-810-SO +
                  667   1.6381E-06    2-3341-MV1EPO-DH * 2-3341-HS1O-CSP * 2-K0315-812-SO +
                  668   1.6356E-06    2-3341-PM2-SF * 2-3341-PM3-SF * 2-K0014-101-SO +
                  669   1.6356E-06    2-3341-PM1-SF * 2-3341-PM2-SF * 2-K0162-101-SO +
                  670   1.6356E-06    2-3341-PM1-SF * 2-3341-PM3-SF * 2-K0314-101-SO +
                  671   1.6340E-06    2-3341-HS8O-SO * 2-K0015-FO +
                  672   1.6340E-06    2-3341-HS2O-SO * 2-K0315-FO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                673   1.6340E-06    2-3341-HS1O-SO * 2-K0315-FO +

                674   1.6340E-06    2-3341-HS3O-SO * 2-K0015-FO +

1     DATE: 1988-06-09              * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *          PAGE: 26

                TERM      PROB.
               NUMBER    OF TERM

                675   1.6340E-06    2-3341-HS4O-SO * 2-K0015-FO +

                676   1.6340E-06    2-3341-HS6O-SO * 2-K0315-FO +

                677   1.6340E-06    2-3341-HS5O-SO * 2-K0315-FO +

                678   1.6340E-06    2-3341-HS7O-SO * 2-K0015-FO +

                679   1.6335E-06    2-3341-MV22-CH * 2-3341-MV25-DH * 2-3341-MV25-CSP +

                680   1.6335E-06    2-3341-MV22-DH * 2-3341-MV22-CSP * 2-3341-MV25-CH +

                681   1.6161E-06    2-3341-MV22-DH * 2-3341-HX2-MO * 2-K0017-502-CSP * /2-3341-HX1-MO +

                682   1.6161E-06    2-3341-HX1-MO * 2-3341-MV25-DH * 2-K0317-102-CSP * /2-3341-HX2-MO +

                683   1.5925E-06    2-3341-TETT-RECH * 2-3341-TT1-LOP * 2-3341-TT2-LOP +

                684   1.5892E-06    2-3341-VP2-CH * 2-3341-P3-SF * 2-K0014-SO +

                685   1.5892E-06    2-7230-VSDCP1-CH * 2-3341-P2-SF * 2-K0162-SO +

                686   1.5892E-06    2-3341-VP1-CH * 2-3341-P3-SF * 2-K0314-SO +

                687   1.5892E-06    2-3341-P1-SF * 2-7230-VSDCP3-CH * 2-K0314-SO +

                688   1.5892E-06    2-3341-P2-SF * 2-3341-VP3-CH * 2-K0014-SO +

                689   1.5892E-06    2-3341-VP1-CH * 2-3341-P2-SF * 2-K0162-SO +

                690   1.5892E-06    2-3341-P1-SF * 2-3341-VP3-CH * 2-K0314-SO +

                691   1.5892E-06    2-3341-P1-SF * 2-3341-VP2-CH * 2-K0162-SO +

                692   1.5892E-06    2-7230-VSDCP1-CH * 2-3341-P3-SF * 2-K0314-SO +

                693   1.5892E-06    2-3341-P1-SF * 2-7230-VSDCP2-CH * 2-K0162-SO +

                694   1.5892E-06    2-7230-VSDCP2-CH * 2-3341-P3-SF * 2-K0014-SO +

                695   1.5892E-06    2-3341-P2-SF * 2-7230-VSDCP3-CH * 2-K0014-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                  696   1.5884E-06    2-3341-VP1-CH * 2-5323-8CB13-OH * 2-3341-VP3-CH +

                  697   1.5884E-06    2-5323-7CB13-OH * 2-3341-VP2-CH * 2-3341-VP3-CH +

                  698   1.5884E-06    2-7230-VSDCP1-CH * 2-5323-8CB13-OH * 2-7230-VSDCP3-CH +

                  699   1.5884E-06    2-7230-VSDCP1-CH * 2-5323-8CB13-OH * 2-3341-VP3-CH +

                  700   1.5884E-06    2-5323-7CB13-OH * 2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH +

                  701   1.5884E-06    2-5323-7CB13-OH * 2-3341-VP2-CH * 2-7230-VSDCP3-CH +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 27

                  TERM      PROB.
                 NUMBER    OF TERM

                  702   1.5884E-06    2-3341-VP1-CH * 2-5323-8CB13-OH * 2-7230-VSDCP3-CH +

                  703   1.5884E-06    2-5323-7CB13-OH * 2-7230-VSDCP2-CH * 2-3341-VP3-CH +

                  704   1.5884E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-5323-7CB14-OH +

                  705   1.5884E-06    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-5323-7CB14-OH +

                  706   1.5884E-06    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-5323-7CB14-OH +

                  707   1.5884E-06    2-3341-VP1-CH * 2-3341-VP2-CH * 2-5323-7CB14-OH +

                  708   1.5211E-06    2-3341-MV8EPO-DH * 2-3341-HS8O-CSP * 2-K0015-805-SO +

                  709   1.5211E-06    2-3341-MV5EPO-DH * 2-3341-HS5O-CSP * 2-K0315-401-SO +

                  710   1.5211E-06    2-3341-MV6EPO-DH * 2-3341-HS6O-CSP * 2-K0315-701-SO +

                  711   1.5211E-06    2-3341-MV3EPO-DH * 2-3341-HS3O-CSP * 2-K0015-801-SO +

                  712   1.5211E-06    2-3341-MV1EPO-DH * 2-3341-HS1O-CSP * 2-K0315-805-SO +

                  713   1.5211E-06    2-3341-MV2EPO-DH * 2-3341-HS2O-CSP * 2-K0315-801-SO +

                  714   1.5211E-06    2-3341-MV4EPO-DH * 2-3341-HS4O-CSP * 2-K0015-701-SO +

                  715   1.5211E-06    2-3341-MV7EPO-DH * 2-3341-HS7O-CSP * 2-K0015-401-SO +

                  716   1.4717E-06    2-3341-MV3S-SC * 2-K0015-SO +

                  717   1.4717E-06    2-3341-MV1S-SC * 2-K0315-SO +

                  718   1.4717E-06    2-3341-MV4S-SC * 2-K0015-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                719   1.4717E-06    2-3341-MV2S-SC * 2-K0315-SO +

                720   1.4717E-06    2-3341-MV7S-SC * 2-K0015-SO +

                721   1.4717E-06    2-3341-MV8S-SC * 2-K0015-SO +

                722   1.4717E-06    2-3341-MV5S-SC * 2-K0315-SO +

                723   1.4717E-06    2-3341-MV6S-SC * 2-K0315-SO +

                724   1.4304E-06    2-3341-MV8-SC * 608-PK-00-DH * 2-K0015-DO +

                725   1.4304E-06    2-3341-MV1-SC * 608-PK-00-DH * 2-K0315-DO +

                726   1.4304E-06    2-3341-MV6-SC * 608-PK-00-DH * 2-K0315-DO +

                727   1.4304E-06    2-3341-MV3-SC * 608-PK-00-DH * 2-K0015-DO +

                728   1.4304E-06    2-3341-MV5-SC * 608-PK-00-DH * 2-K0315-DO +

1     DATE: 1988-06-09              * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *              PAGE: 28

                TERM      PROB.
               NUMBER    OF TERM

                729   1.4304E-06    2-3341-MV4-SC * 608-PK-00-DH * 2-K0015-DO +

                730   1.4304E-06    2-3341-MV7-SC * 608-PK-00-DH * 2-K0015-DO +

                731   1.4304E-06    2-3341-MV2-SC * 608-PK-00-DH * 2-K0315-DO +

                732   1.3645E-06    2-7230-V12-SC * 2-3341-LHX1-FO +

                733   1.3645E-06    2-7230-VHX1-CH * 2-3341-LHX2-FO +

                734   1.3645E-06    2-7230-V61-CH * 2-3341-LHX1-FO +

                735   1.3645E-06    2-7230-V60-SC * 2-3341-LHX1-FO +

                736   1.3513E-06    2-3341-MV22-DH * 2-3341-MV22-CSP * 2-3341-HX2-ITP +

                737   1.3513E-06    2-3341-MV25-DH * 2-3341-MV25-CSP * 2-3341-HX1-ITP +

                738   1.3509E-06    2-3341-P1-SF * 2-3341-PM3-SF * 2-K0314-SO +

                739   1.3509E-06    2-3341-PM1-SF * 2-3341-P2-SF * 2-K0162-SO +

                740   1.3509E-06    2-3341-PM1-SF * 2-3341-P3-SF * 2-K0314-SO +

                741   1.3509E-06    2-3341-PM2-SF * 2-3341-P3-SF * 2-K0014-SO +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                    742   1.3509E-06    2-3341-P2-SF * 2-3341-PM3-SF * 2-K0014-SO +

                    743   1.3509E-06    2-3341-P1-SF * 2-3341-PM2-SF * 2-K0162-SO +

                    744   1.3502E-06    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-5323-7CB14-OH +

                    745   1.3502E-06    2-5323-7CB13-OH * 2-7230-VSDCP2-CH * 2-3341-PM3-SF +

                    746   1.3502E-06    2-3341-VP1-CH * 2-3341-PM2-SF * 2-5323-7CB14-OH +

                    747   1.3502E-06    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-5323-7CB14-OH +

                    748   1.3502E-06    2-7230-VSDCP1-CH * 2-5323-8CB13-OH * 2-3341-PM3-SF +

                    749   1.3502E-06    2-3341-VP1-CH * 2-5323-8CB13-OH * 2-3341-PM3-SF +

                    750   1.3502E-06    2-5323-7CB13-OH * 2-3341-VP2-CH * 2-3341-PM3-SF +

                    751   1.3502E-06    2-3341-PM1-SF * 2-3341-VP2-CH * 2-5323-7CB14-OH +

                    752   1.3502E-06    2-5323-7CB13-OH * 2-3341-PM2-SF * 2-3341-VP3-CH +

                    753   1.3502E-06    2-5323-7CB13-OH * 2-3341-PM2-SF * 2-7230-VSDCP3-CH +

                    754   1.3502E-06    2-3341-PM1-SF * 2-5323-8CB13-OH * 2-7230-VSDCP3-CH +

                    755   1.3502E-06    2-3341-PM1-SF * 2-5323-8CB13-OH * 2-3341-VP3-CH +
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                  TERM      PROB.
                 NUMBER   OF TERM

                    756   1.3256E-06    2-K0015-FO * 2-K0315-SO +

                    757   1.3256E-06    2-K0015-SO * 2-K0315-FO +

                    758   1.3005E-06    2-3341-V23-CH * 2-7230-LHX2-FO +

                    759   1.3005E-06    2-3341-V26-CH * 2-7230-LHX1-FO +

                    760   1.2707E-06    2-5323-LPM1-OCP * 2-7230-VSDCP2-CH * 2-7230-VSDCP3-CH +

                    761   1.2707E-06    2-3341-VP1-CH * 2-7230-VSDCP2-CH * 2-5323-LPM3-OCP +

                    762   1.2707E-06    2-3341-VP1-CH * 2-5323-LPM2-OCP * 2-7230-VSDCP3-CH +

                    763   1.2707E-06    2-3341-VP1-CH * 2-3341-VP2-CH * 2-5323-LPM3-OCP +

                    764   1.2707E-06    2-5323-LPM1-OCP * 2-3341-VP2-CH * 2-7230-VSDCP3-CH +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                  765   1.2707E-06    2-3341-VP1-CH * 2-5323-LPM2-OCP * 2-3341-VP3-CH +

                  766   1.2707E-06    2-5323-LPM1-OCP * 2-7230-VSDCP2-CH * 2-3341-VP3-CH +

                  767   1.2707E-06    2-7230-VSDCP1-CH * 2-7230-VSDCP2-CH * 2-5323-LPM3-OCP +

                  768   1.2707E-06    2-7230-VSDCP1-CH * 2-5323-LPM2-OCP * 2-7230-VSDCP3-CH +

                  769   1.2707E-06    2-7230-VSDCP1-CH * 2-3341-VP2-CH * 2-5323-LPM3-OCP +

                  770   1.2707E-06    2-7230-VSDCP1-CH * 2-5323-LPM2-OCP * 2-3341-VP3-CH +

                  771   1.2707E-06    2-5323-LPM1-OCP * 2-3341-VP2-CH * 2-3341-VP3-CH +

                  772   1.2487E-06    2-K0315-101-SO * 2-K0015-501-SO +

                  773   1.2487E-06    2-K0015-201-SO * 2-K0315-201-SO +

                  774   1.2487E-06    2-K0317-519-SC * 2-K0317-522-SC +

                  775   1.2487E-06    2-K0015-216-SO * 2-K0315-216-SO +

                  776   1.2487E-06    2-K0015-101-SO * 2-K0315-501-SO +

                  777   1.2332E-06    2-K0317-519-SC * 2-K0317-704-SC +

                  778   1.2332E-06    2-K0317-805-SC * 2-K0317-522-SC +

                  779   1.2178E-06    2-K0317-805-SC * 2-K0317-704-SC +

                  780   1.1822E-06    2-7230-LHX1-FO * 2-3341-TC2-HOP +

                  781   1.1822E-06    2-7230-V61-CSP * 2-7230-LHX1-FO +

                  782   1.1822E-06    2-3341-TC1-HOP * 2-7230-LHX2-FO +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 30

                 TERM      PROB.
                NUMBER    OF TERM

                  783   1.1822E-06    2-7230-V57-CSP * 2-7230-LHX2-FO +

                  784   1.1822E-06    2-7230-V11-CSP * 2-7230-LHX2-FO +

                  785   1.1822E-06    2-7230-V58-CSP * 2-7230-LHX2-FO +

                  786   1.1813E-06    2-3341-MV5EPO-DH * 2-3341-HS3O-SO * 2-K0015-501-CSP +

                  787   1.1813E-06    2-3341-HS2O-SO * 2-3341-MV4EPO-DH * 2-K0315-201-CSP +
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----+----1----+----2----+----3----+----4----+----5----+----6----+----7----+----8----+----9----+----0----+----1----+----2----+----3
                788   1.1813E-06    2-3341-MV6EPO-DH * 2-3341-HS8O-SO * 2-K0015-216-CSP +

                789   1.1813E-06    2-3341-HS5O-SO * 2-3341-MV3EPO-DH * 2-K0315-101-CSP +

                790   1.1813E-06    2-3341-MV1EPO-DH * 2-3341-HS7O-SO * 2-K0015-101-CSP +

                791   1.1813E-06    2-3341-MV2EPO-DH * 2-3341-HS4O-SO * 2-K0015-201-CSP +

                792   1.1813E-06    2-3341-HS1O-SO * 2-3341-MV7EPO-DH * 2-K0315-501-CSP +

                793   1.1813E-06    2-3341-HS6O-SO * 2-3341-MV8EPO-DH * 2-K0315-216-CSP +

                794   1.1495E-06    2-3341-HS11N-SO * 2-3341-VP2-CH * 2-3341-HS13N-SO +

                795   1.1495E-06    2-3341-HS11N-SO * 2-7230-VSDCP2-CH * 2-3341-HS13N-SO +

                796   1.1495E-06    2-3341-HS11N-SO * 2-3341-HS12N-SO * 2-7230-VSDCP3-CH +

                797   1.1495E-06    2-3341-HS11N-SO * 2-3341-HS12N-SO * 2-3341-VP3-CH +

                798   1.1495E-06    2-7230-VSDCP1-CH * 2-3341-HS12N-SO * 2-3341-HS13N-SO +

                799   1.1495E-06    2-3341-VP1-CH * 2-3341-HS12N-SO * 2-3341-HS13N-SO +

                800   1.1478E-06    2-3341-PM1-SF * 2-5323-8CB13-OH * 2-3341-PM3-SF +

                801   1.1478E-06    2-5323-7CB13-OH * 2-3341-PM2-SF * 2-3341-PM3-SF +

                802   1.1478E-06    2-3341-PM1-SF * 2-3341-PM2-SF * 2-5323-7CB14-OH +

                803   1.0802E-06    2-3341-PM1-SF * 2-7230-VSDCP2-CH * 2-5323-LPM3-OCP +

                804   1.0802E-06    2-5323-LPM1-OCP * 2-3341-PM2-SF * 2-3341-VP3-CH +

                805   1.0802E-06    2-5323-LPM1-OCP * 2-3341-PM2-SF * 2-7230-VSDCP3-CH +

                806   1.0802E-06    2-3341-PM1-SF * 2-5323-LPM2-OCP * 2-7230-VSDCP3-CH +

                807   1.0802E-06    2-3341-PM1-SF * 2-3341-VP2-CH * 2-5323-LPM3-OCP +

                808   1.0802E-06    2-5323-LPM1-OCP * 2-3341-VP2-CH * 2-3341-PM3-SF +

                809   1.0802E-06    2-3341-PM1-SF * 2-5323-LPM2-OCP * 2-3341-VP3-CH +

1     DATE: 1988-06-09                * * * * CUTSETS LISTING FOR TOP EVENT 3341-02-SDC2     * * * *                PAGE: 31

                TERM      PROB.
               NUMBER    OF TERM

                810   1.0802E-06    2-7230-VSDCP1-CH * 2-3341-PM2-SF * 2-5323-LPM3-OCP +
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                  811   1.0802E-06    2-3341-VP1-CH * 2-3341-PM2-SF * 2-5323-LPM3-OCP +

                  812   1.0802E-06    2-7230-VSDCP1-CH * 2-5323-LPM2-OCP * 2-3341-PM3-SF +

                  813   1.0802E-06    2-5323-LPM1-OCP * 2-7230-VSDCP2-CH * 2-3341-PM3-SF +

                  814   1.0802E-06    2-3341-VP1-CH * 2-5323-LPM2-OCP * 2-3341-PM3-SF +

                  815   1.0746E-06    2-3341-MV8EPO-DH * 2-3341-HS8O-CSP * 2-K0015-216-SO +

                  816   1.0746E-06    2-3341-MV5EPO-DH * 2-3341-HS5O-CSP * 2-K0315-101-SO +

                  817   1.0746E-06    2-3341-MV3EPO-DH * 2-3341-HS3O-CSP * 2-K0015-501-SO +

                  818   1.0746E-06    2-3341-MV6EPO-DH * 2-3341-HS6O-CSP * 2-K0315-216-SO +

                  819   1.0746E-06    2-3341-MV1EPO-DH * 2-3341-HS1O-CSP * 2-K0315-501-SO +

                  820   1.0746E-06    2-3341-MV4EPO-DH * 2-3341-HS4O-CSP * 2-K0015-201-SO +

                  821   1.0746E-06    2-3341-MV2EPO-DH * 2-3341-HS2O-CSP * 2-K0315-201-SO +

                  822   1.0746E-06    2-3341-MV7EPO-DH * 2-3341-HS7O-CSP * 2-K0015-101-SO +

                  823   1.0706E-06    2-3341-MV22-DH * 2-3341-TY2-HOP * 2-K0017-Y8-CSP +

                  824   1.0706E-06    2-3341-MV25-DH * 2-3341-TY1-HOP * 2-K0317-Y4-CSP +

                  825   1.0314E-06    2-3341-MV22-DH * 2-7230-TCV121-SC * 2-K0017-Y8-CSP +

                  826   1.0314E-06    2-3341-MV25-DH * 2-7230-TCV111-SC * 2-K0317-Y4-CSP

      THE MAXIMUM TERM VALUE FOR COMPUTATION 1 IS   1.000000000000E-02
          (THE SUM OF THE TERM VALUES IS   5.955752002867E-02)
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5.10 File : SDCMCS_IN1

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      /2-3341-HX1-MO       13        69   73  114  136  163  165  166  169  170  310  394  554  681
      /2-3341-HX2-MO       13        70   74  113  137  164  167  168  311  312  313  395  553  682
      2-3330-PC-LH          1         9
      2-3341-CSDCS-FO       1        11
      2-3341-HS11N-SO      19       290  293  298  301  321  323  326  328  363  595  598  600  603  654  655  794  795  796  797
      2-3341-HS12N-SO      19       292  297  299  300  318  322  327  329  364  601  602  605  606  656  657  796  797  798  799
      2-3341-HS13N-SO      19       291  294  295  296  319  320  324  325  365  596  597  599  604  658  659  794  795  798  799
      2-3341-HS1O-CSP       6       195  441  503  667  712  819
      2-3341-HS1O-SO       10        55  207  230  336  358  419  443  635  673  792
      2-3341-HS21C-OSP      1         1
      2-3341-HS21O-CSP      1         6
      2-3341-HS22C-CSP     12       171  182  210  235  275  284  285  394  541  542  543  627
      2-3341-HS25C-CSP     12       172  181  209  236  274  286  287  288  289  395  544  627
      2-3341-HS2O-CSP       6       196  442  500  661  713  821
      2-3341-HS2O-SO       10        60  206  229  334  355  421  444  633  672  787
      2-3341-HS3O-CSP       6       202  440  506  666  711  817
      2-3341-HS3O-SO       10        61  208  227  339  361  423  438  632  674  786
      2-3341-HS4O-CSP       6       198  444  501  660  714  820
      2-3341-HS4O-SO       10        59  206  228  338  360  422  442  631  675  791
      2-3341-HS5O-CSP       6       200  438  507  664  709  816
      2-3341-HS5O-SO       10        54  208  234  335  359  420  440  629  677  789
      2-3341-HS6O-CSP       6       201  439  505  665  710  818
      2-3341-HS6O-SO       10        56  205  233  333  357  415  445  634  676  793
      2-3341-HS7OC-SC       5        50  204  238  417  425
      2-3341-HS7O-CSP       6       197  443  502  662  715  822
      2-3341-HS7O-SO       10        58  207  231  332  362  424  441  630  678  790
      2-3341-HS8OC-SC       5        51  204  237  416  426
      2-3341-HS8O-CSP       6       199  445  504  663  708  815
      2-3341-HS8O-SO       10        57  205  232  337  356  418  439  628  671  788
      2-3341-HX1-ITP       16        26   28   35   49   75   95   96  136  192  193  194  236  354  436  636  737
      2-3341-HX1-MO        13        70   74  113  137  164  167  168  311  312  313  395  553  682
      2-3341-HX2-ITP       16        27   29   36   49   76   93   94   97   98  137  191  235  353  437  637  736
      2-3341-HX2-MO        13        69   73  114  136  163  165  166  169  170  310  394  554  681
      2-3341-LHX1-FO       11       266  267  314  353  414  430  431  554  732  734  735
      2-3341-LHX2-FO       11       265  268  315  354  413  427  428  429  432  553  733
      2-3341-LSDC2-EL       1         4
      2-3341-MV1-SC        13        16   58   84  151  157  185  197  279  308  368  455  648  725
      2-3341-MV1EPO-DH      8       195  366  441  503  667  712  790  819
      2-3341-MV1S-SC        3       276  630  717
      2-3341-MV2-SC        13        14   59   77  150  156  184  198  281  309  369  461  650  731
      2-3341-MV21-DH        6         6   12   68   99  115  352
      2-3341-MV21-OSP       1        99
      2-3341-MV21S-OSP      1       115
      2-3341-MV22-CH       16        23   25   30   36   53   62   63  114  175  177  178  209  315  408  587  679
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     2-3341-MV22-CSP      4        568  570  680  736
     2-3341-MV22-DH       26       171  182  210  235  275  284  285  317  331  394  409  437  528  541  542  543  557  559  568
                                   570  627  680  681  736  823  825
     2-3341-MV25-CH       16        22   24   30   35   52   64   65   66   67  113  176  210  314  409  588  680
     2-3341-MV25-CSP      4        569  571  679  737
     2-3341-MV25-DH       28       172  181  209  236  274  286  287  288  289  316  330  395  408  436  527  544  555  556  558
                                   560  569  571  627  679  682  737  824  826
     2-3341-MV2EPO-DH     8        196  367  442  500  661  713  791  821
     2-3341-MV2S-SC       3        280  631  719
     2-3341-MV3-SC        13        15   54   83  153  160  188  200  283  302  371  454  652  727
     2-3341-MV3EPO-DH     8        202  373  440  506  666  711  789  817
     2-3341-MV3S-SC       3        282  629  716
     2-3341-MV4-SC        13        14   60   79  149  155  183  196  280  303  367  460  649  729
     2-3341-MV4EPO-DH     8        198  369  444  501  660  714  787  820
     2-3341-MV4S-SC       3        281  633  718
     2-3341-MV5-SC        13        15   61   82  148  158  186  202  282  304  373  459  651  728
     2-3341-MV5EPO-DH     8        200  371  438  507  664  709  786  816
     2-3341-MV5S-SC       3        283  632  722
     2-3341-MV6-SC        13        17   57   81  147  162  190  199  278  305  370  457  647  726
     2-3341-MV6EPO-DH     8        201  372  439  505  665  710  788  818
     2-3341-MV6S-SC       3        277  628  723
     2-3341-MV7-SC        13        16   55   78  152  159  187  195  276  306  366  456  653  730
     2-3341-MV7EPO-DH     8        197  368  443  502  662  715  792  822
     2-3341-MV7S-SC       3        279  635  720
     2-3341-MV8-SC        13        17   56   80  154  161  189  201  277  307  372  458  646  724
     2-3341-MV8EPO-DH     8        199  370  445  504  663  708  793  815
     2-3341-MV8S-SC       3        278  634  721
     2-3341-NV13-OSP      1         2
     2-3341-NV16-OSP      1         3
     2-3341-P1-SF         27       212  213  214  217  257  259  263  264  271  480  481  482  483  525  526  596  601  604  606
                                   656  658  687  690  691  693  738  743
     2-3341-P2-SF         27       211  215  216  218  253  254  258  261  270  478  479  481  483  524  526  597  598  599  603
                                   654  659  685  688  689  695  739  742
     2-3341-P3-SF         27       219  220  221  222  255  256  260  262  272  478  479  480  482  524  525  595  600  602  605
                                   655  657  684  686  692  694  740  741
     2-3341-PM1-SF        60       103  105  106  111  116  119  120  121  138  254  260  261  262  270  272  318  320  322  325
                                   364  365  378  381  383  384  410  411  511  513  514  519  524  531  532  533  538  565  567
                                   573  574  609  611  612  616  657  659  669  670  739  740  747  751  754  755  800  802  803
                                   806  807  809
     2-3341-PM2-SF        60       104  107  109  110  117  118  120  121  138  255  256  263  264  271  272  319  321  323  324
                                   363  365  374  375  376  379  410  412  508  515  516  518  525  534  535  536  539  566  567
                                   572  573  613  614  615  618  655  658  668  669  741  743  744  746  752  753  801  802  804
                                   805  810  811
     2-3341-PM3-SF        60       100  101  102  108  116  117  118  119  138  253  257  258  259  270  271  326  327  328  329
                                   363  364  377  380  382  385  411  412  509  510  512  517  526  529  530  537  540  565  566
                                   572  574  607  608  610  617  654  656  668  670  738  742  745  748  749  750  800  801  808
                                   812  813  814
     2-3341-PV6566-OH     1         8
     2-3341-PV70-SC       5        13   51   72  174  180
     2-3341-PV80-SC       5        13   50   71  173  179
     2-3341-SDC2-CH       1        10
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      2-3341-SDC2WU-CH      1          4
      2-3341-SV70-SC        5         71  237  273  463  476
      2-3341-SV80-SC        5         72  238  273  462  477
      2-3341-TC1-HOP       15         41   46   65   94  126  132  133  166  240  243  251  287  428  558  782
      2-3341-TC2-HOP       15         38   43   62   95  124  128  130  132  134  167  241  285  430  559  780
      2-3341-TETT-RECH      1        683
      2-3341-TT1-LOP        1        683
      2-3341-TT2-LOP        1        683
      2-3341-TY1-HOP       17         18   19   22   27   31   38   39   69  140  141  142  172  265  316  484  569  824
      2-3341-TY2-HOP       17         18   20   23   26   32   37   40   41   42   70  139  171  266  317  485  568  823
      2-3341-V23-CH        15         32   33   52   76  112  124  125  163  224  225  226  274  413  527  758
      2-3341-V26-CH        15         31   34   53   75  112  122  123  126  127  164  223  275  414  528  759
      2-3341-VP1-CH        63         88   90   91   92  101  102  104  107  118  211  216  219  220  253  256  291  292  295  300
                                     324  327  340  345  346  347  379  382  465  471  472  473  479  487  488  489  493  508  510
                                     529  539  580  581  582  586  599  605  608  618  686  689  696  702  706  707  746  749  761
                                     762  763  765  799  811  814
      2-3341-VP2-CH        63         85   87   88   91  100  101  105  111  116  213  217  220  222  257  262  290  294  295  298
                                     320  328  345  348  349  351  377  381  464  467  469  472  482  488  492  495  497  513  517
                                     532  537  576  578  581  585  596  600  611  617  684  691  697  701  705  707  750  751  763
                                     764  769  771  794  807  808
      2-3341-VP3-CH        63         86   87   88   92  106  107  110  111  121  214  216  217  218  254  264  290  299  300  301
                                     322  323  343  346  350  351  375  383  466  468  469  473  483  489  494  496  497  514  516
                                     533  535  575  577  578  582  601  603  612  614  688  690  696  697  699  703  752  755  765
                                     766  770  771  797  804  809
      2-5323-7CB13-OH       9        697  700  701  703  745  750  752  753  801
      2-5323-7CB14-OH       9        704  705  706  707  744  746  747  751  802
      2-5323-8CB13-OH       9        696  698  699  702  748  749  754  755  800
      2-5323-LPM1-OCP       8        760  764  766  771  804  805  808  813
      2-5323-LPM2-OCP       8        762  765  768  770  806  809  812  814
      2-5323-LPM3-OCP       8        761  763  767  769  803  807  810  811
      2-7230-LHX1-FO        7        485  498  588  637  759  780  781
      2-7230-LHX2-FO        9        484  499  587  636  758  782  783  784  785
      2-7230-TCV111-SC     17         20   21   24   29   34   43   45   73  143  144  146  181  268  330  499  571  826
      2-7230-TCV121-SC     17         19   21   25   28   33   44   46   47   48   74  145  182  267  331  498  570  825
      2-7230-V11-CSP       15         42   47   66   97  127  134  135  170  239  242  245  289  429  555  784
      2-7230-V12-SC        13        142  146  178  194  226  243  245  247  252  313  435  543  732
      2-7230-V57-CSP       15         40   44   64   93  123  130  131  169  249  250  252  288  427  560  783
      2-7230-V58-CSP       15         37   48   67   98  122  128  129  165  244  246  247  286  432  556  785
      2-7230-V60-SC        13        141  144  177  193  225  240  242  246  250  312  434  542  735
      2-7230-V61-CH        13        140  143  175  192  224  239  244  249  251  311  433  541  734
      2-7230-V61-CSP       15         39   45   63   96  125  129  131  133  135  168  248  284  431  557  781
      2-7230-VHX1-CH       13        139  145  176  191  223  241  248  310  433  434  435  544  733
      2-7230-VSDCP1-CH     63         85   86   87   89  100  108  109  110  117  215  218  221  222  255  258  294  296  297  299
                                     319  329  341  343  344  348  376  380  464  466  470  475  478  486  491  492  494  509  518
                                     536  540  575  579  584  585  597  602  607  615  685  692  698  699  704  705  744  748  767
                                     768  769  770  798  810  812
      2-7230-VSDCP2-CH     63         86   89   90   92  102  103  106  108  119  212  214  219  221  259  260  291  293  296  301
                                     325  326  342  344  347  350  384  385  465  468  470  474  480  486  490  493  496  512  519
                                     530  538  577  579  583  586  595  604  610  616  693  694  700  703  704  706  745  747  760
                                     761  766  767  795  803  813
      2-7230-VSDCP3-CH     63         85   89   90   91  103  104  105  109  120  211  212  213  215  261  263  292  293  297  298
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                                318  321  340  341  342  349  374  378  467  471  474  475  481  487  490  491  495  511  515
                                531  534  576  580  583  584  598  606  609  613  687  695  698  700  701  702  753  754  760
                                762  764  768  796  805  806
  2-K0014-101-SO        9       576  577  578  583  610  613  614  617  668
  2-K0014-401-SO        9       490  495  496  497  530  534  535  537  572
  2-K0014-412-SO        9       467  468  469  474  512  515  516  517  566
  2-K0014-SO           15       342  349  350  351  374  375  377  385  412  684  688  694  695  741  742
  2-K0015-101-CSP       2       366  790
  2-K0015-101-SO        7       187  424  450  623  639  776  822
  2-K0015-201-CSP       2       367  791
  2-K0015-201-SO        7       183  422  446  626  638  773  820
  2-K0015-216-CSP       2       372  788
  2-K0015-216-SO        7       189  418  453  622  642  775  815
  2-K0015-401-SO        7       159  362  402  549  561  643  715
  2-K0015-410-SO        7       152  332  390  522  545  619  662
  2-K0015-501-CSP       2       371  786
  2-K0015-501-SO        7       188  423  449  621  644  772  817
  2-K0015-701-SO        7       155  360  407  551  563  645  714
  2-K0015-710-SO        7       149  338  387  520  546  620  660
  2-K0015-801-SO        7       160  361  403  548  562  640  711
  2-K0015-805-SO        7       161  356  406  547  564  641  708
  2-K0015-810-SO        7       153  339  391  523  550  624  666
  2-K0015-812-SO        7       154  337  386  521  552  625  663
  2-K0015-DO            7       591  592  594  724  727  729  730
  2-K0015-FO            9       302  303  306  307  671  674  675  678  756
  2-K0015-SO           30        78   79   80   83  227  228  231  232  269  388  389  392  393  400  401  404  405  447  448
                                451  452  501  502  504  506  716  718  720  721  757
  2-K0015-Y4-OH         3       399  456  589
  2-K0015-Y7-OH         3       397  460  593
  2-K0015-Y8-OH         5       396  398  454  458  590
  2-K0017-101-CSP       1        12
  2-K0017-502-CSP       8       317  331  409  437  528  557  559  681
  2-K0017-X1-CSP        1       352
  2-K0017-Y4-CSP        1        68
  2-K0017-Y8-CSP        2       823  825
  2-K0162-101-SO        9       579  581  585  586  611  615  616  618  669
  2-K0162-401-SO        9       486  488  492  493  532  536  538  539  573
  2-K0162-412-SO        9       464  465  470  472  508  513  518  519  567
  2-K0162-SO           15       344  345  347  348  376  379  381  384  410  685  689  691  693  739  743
  2-K0314-101-SO        9       575  580  582  584  607  608  609  612  670
  2-K0314-401-SO        9       487  489  491  494  529  531  533  540  574
  2-K0314-412-SO        9       466  471  473  475  509  510  511  514  565
  2-K0314-SO           15       340  341  343  346  378  380  382  383  411  686  687  690  692  738  740
  2-K0315-101-CSP       2       373  789
  2-K0315-101-SO        7       186  420  447  624  640  772  816
  2-K0315-201-CSP       2       369  787
  2-K0315-201-SO        7       184  421  452  620  645  773  821
  2-K0315-216-CSP       2       370  793
  2-K0315-216-SO        7       190  415  451  625  641  775  818
  2-K0315-401-SO        7       158  359  401  550  562  644  709
  2-K0315-410-SO        7       148  335  388  523  548  621  664
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      2-K0315-501-CSP       2       368  792
      2-K0315-501-SO        7       185  419  448  619  643  776  819
      2-K0315-701-SO        7       162  357  404  552  564  642  710
      2-K0315-710-SO        7       147  333  392  521  547  622  665
      2-K0315-801-SO        7       156  355  405  546  563  638  713
      2-K0315-805-SO        7       157  358  400  545  561  639  712
      2-K0315-810-SO        7       150  334  393  520  551  626  661
      2-K0315-812-SO        7       151  336  389  522  549  623  667
      2-K0315-DO            7       589  590  593  725  726  728  731
      2-K0315-FO            9       304  305  308  309  672  673  676  677  757
      2-K0315-SO           30        77   81   82   84  229  230  233  234  269  386  387  390  391  402  403  406  407  446  449
                                    450  453  500  503  505  507  717  719  722  723  756
      2-K0315-Y4-OH         3       398  459  594
      2-K0315-Y7-OH         3       396  457  591
      2-K0315-Y8-OH         5       397  399  455  461  592
      2-K0317-102-CSP      10       316  330  408  436  527  555  556  558  560  682
      2-K0317-519-SC        5       173  416  462  774  777
      2-K0317-522-SC        5       174  417  463  774  778
      2-K0317-704-SC        5       180  425  476  777  779
      2-K0317-805-SC        5       179  426  477  778  779
      2-K0317-SO            1         5
      2-K0317-X5-SC         1       203
      2-K0317-Y4-CSP        2       824  826
      23341-HS1T08-OSH      1         7
      25333LMV1MCC-OCP      1       653
      25333LMV2MCC-OCP      1       649
      25333LMV3MCC-OCP      1       651
      25333LMV4MCC-OCP      1       650
      25333LMV5MCC-OCP      1       652
      25333LMV6MCC-OCP      1       646
      25333LMV7MCC-OCP      1       648
      25333LMV8MCC-OCP      1       647
      608-PK-00-DH         26       396  397  398  399  454  455  456  457  458  459  460  461  589  590  591  592  593  594  724
                                    725  726  727  728  729  730  731
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5.11 File : SDCMCS_DAT

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/2-3341-HX1-MO         165
/2-3341-HX1-MO         166
/2-3341-HX1-MO         169
/2-3341-HX1-MO         170
/2-3341-HX1-MO         310
/2-3341-HX1-MO         394
/2-3341-HX1-MO         554
/2-3341-HX1-MO         681
/2-3341-HX2-MO          70
/2-3341-HX2-MO          74
/2-3341-HX2-MO         113
/2-3341-HX2-MO         137
/2-3341-HX2-MO         164
/2-3341-HX2-MO         167
/2-3341-HX2-MO         168
/2-3341-HX2-MO         311
/2-3341-HX2-MO         312
/2-3341-HX2-MO         313
/2-3341-HX2-MO         395
/2-3341-HX2-MO         553
/2-3341-HX2-MO         682
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2-3341-CSDCS-FO         11
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2-3341-HS11N-SO        323
2-3341-HS11N-SO        326
2-3341-HS11N-SO        328
2-3341-HS11N-SO        363
2-3341-HS11N-SO        595
2-3341-HS11N-SO        598
2-3341-HS11N-SO        600
2-3341-HS11N-SO        603
2-3341-HS11N-SO        654
2-3341-HS11N-SO        655
2-3341-HS11N-SO        794
2-3341-HS11N-SO        795
2-3341-HS11N-SO        796
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2-3341-HS12N-SO        327
2-3341-HS12N-SO        329
2-3341-HS12N-SO        364
2-3341-HS12N-SO        601
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2-3341-HS13N-SO       795
2-3341-HS13N-SO       798
2-3341-HS13N-SO       799
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2-3341-HS1O-CSP       712
2-3341-HS1O-CSP       819
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2-3341-HS1O-SO        358
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2-3341-HS1O-SO        443
2-3341-HS1O-SO        635
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2-3341-HS22C-CSP      275
2-3341-HS22C-CSP      284
2-3341-HS22C-CSP      285
2-3341-HS22C-CSP      394
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2-3341-HS22C-CSP      542
2-3341-HS22C-CSP      543
2-3341-HS22C-CSP      627
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2-3341-HS25C-CSP      181
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2-3341-HS25C-CSP      274
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2-3341-HS25C-CSP      288
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2-3341-HS2O-CSP       442
2-3341-HS2O-CSP       500
2-3341-HS2O-CSP       661
2-3341-HS2O-CSP       713
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2-3341-HS20-SO       633
2-3341-HS20-SO       672
2-3341-HS20-SO       787
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2-3341-HS30-CSP      506
2-3341-HS30-CSP      666
2-3341-HS30-CSP      711
2-3341-HS30-CSP      817
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2-3341-HS30-SO       208
2-3341-HS30-SO       227
2-3341-HS30-SO       339
2-3341-HS30-SO       361
2-3341-HS30-SO       423
2-3341-HS30-SO       438
2-3341-HS30-SO       632
2-3341-HS30-SO       674
2-3341-HS30-SO       786
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2-3341-HS40-CSP      444
2-3341-HS40-CSP      501
2-3341-HS40-CSP      660
2-3341-HS40-CSP      714
2-3341-HS40-CSP      820
2-3341-HS40-SO        59
2-3341-HS40-SO       206
2-3341-HS40-SO       228
2-3341-HS40-SO       338
2-3341-HS40-SO       360
2-3341-HS40-SO       422
2-3341-HS40-SO       442
2-3341-HS40-SO       631
2-3341-HS40-SO       675
2-3341-HS40-SO       791
2-3341-HS50-CSP      200
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2-3341-HS50-CSP      507
2-3341-HS50-CSP      664
2-3341-HS50-CSP      709
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2-3341-HS60-CSP      710
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2-3341-HS60-SO       205
2-3341-HS60-SO       233
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2-3341-HS80-CSP       445
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2-3341-HS80-CSP       708
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2-3341-HX2-ITP          94
2-3341-HX2-ITP          97
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2-3341-HX2-MO          165
2-3341-HX2-MO          166
2-3341-HX2-MO          169
2-3341-HX2-MO          170
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2-3341-HX2-MO          394
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2-3341-LHX2-FO         429
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2-3341-MV1-SC           84
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2-3341-MV1-SC          157
2-3341-MV1-SC          185
2-3341-MV1-SC          197
2-3341-MV1-SC          279
2-3341-MV1-SC          308
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2-3341-MV1-SC          455
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2-3341-MV1-SC          725
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2-3341-MV1EPO-DH       667
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2-3341-MV1S-SC        717
2-3341-MV2-SC          14
2-3341-MV2-SC          59
2-3341-MV2-SC          77
2-3341-MV2-SC         150
2-3341-MV2-SC         156
2-3341-MV2-SC         184
2-3341-MV2-SC         198
2-3341-MV2-SC         281
2-3341-MV2-SC         309
2-3341-MV2-SC         369
2-3341-MV2-SC         461
2-3341-MV2-SC         650
2-3341-MV2-SC         731
2-3341-MV21-DH          6
2-3341-MV21-DH         12
2-3341-MV21-DH         68
2-3341-MV21-DH         99
2-3341-MV21-DH        115
2-3341-MV21-DH        352
2-3341-MV21-OSP        99
2-3341-MV21S-OSP      115
2-3341-MV22-CH         23
2-3341-MV22-CH         25
2-3341-MV22-CH         30
2-3341-MV22-CH         36
2-3341-MV22-CH         53
2-3341-MV22-CH         62
2-3341-MV22-CH         63
2-3341-MV22-CH        114
2-3341-MV22-CH        175
2-3341-MV22-CH        177
2-3341-MV22-CH        178
2-3341-MV22-CH        209
2-3341-MV22-CH        315
2-3341-MV22-CH        408
2-3341-MV22-CH        587
2-3341-MV22-CH        679
2-3341-MV22-CSP       568
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2-3341-MV22-CSP       680
2-3341-MV22-CSP       736
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2-3341-MV22-DH        285
2-3341-MV22-DH        317
2-3341-MV22-DH        331
2-3341-MV22-DH        394
2-3341-MV22-DH        409
2-3341-MV22-DH        437
2-3341-MV22-DH        528
2-3341-MV22-DH        541
2-3341-MV22-DH        542
2-3341-MV22-DH        543
2-3341-MV22-DH        557
2-3341-MV22-DH        559
2-3341-MV22-DH        568
2-3341-MV22-DH        570
2-3341-MV22-DH        627
2-3341-MV22-DH        680
2-3341-MV22-DH        681
2-3341-MV22-DH        736
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2-3341-MV25-CH         35
2-3341-MV25-CH         52
2-3341-MV25-CH         64
2-3341-MV25-CH         65
2-3341-MV25-CH         66
2-3341-MV25-CH         67
2-3341-MV25-CH        113
2-3341-MV25-CH        176
2-3341-MV25-CH        210
2-3341-MV25-CH        314
2-3341-MV25-CH        409
2-3341-MV25-CH        588
2-3341-MV25-CH        680
2-3341-MV25-CSP       569
2-3341-MV25-CSP       571
2-3341-MV25-CSP       679
2-3341-MV25-CSP       737
2-3341-MV25-DH        172
2-3341-MV25-DH        181
2-3341-MV25-DH        209
2-3341-MV25-DH        236
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2-3341-MV25-DH        288
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2-3341-MV25-DH        436
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2-3341-MV25-DH        555
2-3341-MV25-DH        556
2-3341-MV25-DH        558
2-3341-MV25-DH        560
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2-3341-MV25-DH        571
2-3341-MV25-DH        627
2-3341-MV25-DH        679
2-3341-MV25-DH        682
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2-3341-MV25-DH        824
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2-3341-MV2EPO-DH      367
2-3341-MV2EPO-DH      442
2-3341-MV2EPO-DH      500
2-3341-MV2EPO-DH      661
2-3341-MV2EPO-DH      713
2-3341-MV2EPO-DH      791
2-3341-MV2EPO-DH      821
2-3341-MV2S-SC        280
2-3341-MV2S-SC        631
2-3341-MV2S-SC        719
2-3341-MV3-SC          15
2-3341-MV3-SC          54
2-3341-MV3-SC          83
2-3341-MV3-SC         153
2-3341-MV3-SC         160
2-3341-MV3-SC         188
2-3341-MV3-SC         200
2-3341-MV3-SC         283
2-3341-MV3-SC         302
2-3341-MV3-SC         371
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----+----1----+----2----+----3
2-3341-MV3-SC          454
2-3341-MV3-SC          652
2-3341-MV3-SC          727
2-3341-MV3EPO-DH       202
2-3341-MV3EPO-DH       373
2-3341-MV3EPO-DH       440
2-3341-MV3EPO-DH       506
2-3341-MV3EPO-DH       666
2-3341-MV3EPO-DH       711
2-3341-MV3EPO-DH       789
2-3341-MV3EPO-DH       817
2-3341-MV3S-SC         282
2-3341-MV3S-SC         629
2-3341-MV3S-SC         716
2-3341-MV4-SC           14
2-3341-MV4-SC           60
2-3341-MV4-SC           79
2-3341-MV4-SC          149
2-3341-MV4-SC          155
2-3341-MV4-SC          183
2-3341-MV4-SC          196
2-3341-MV4-SC          280
2-3341-MV4-SC          303
2-3341-MV4-SC          367
2-3341-MV4-SC          460
2-3341-MV4-SC          649
2-3341-MV4-SC          729
2-3341-MV4EPO-DH       198
2-3341-MV4EPO-DH       369
2-3341-MV4EPO-DH       444
2-3341-MV4EPO-DH       501
2-3341-MV4EPO-DH       660
2-3341-MV4EPO-DH       714
2-3341-MV4EPO-DH       787
2-3341-MV4EPO-DH       820
2-3341-MV4S-SC         281
2-3341-MV4S-SC         633
2-3341-MV4S-SC         718
2-3341-MV5-SC           15
2-3341-MV5-SC           61
2-3341-MV5-SC           82
2-3341-MV5-SC          148
2-3341-MV5-SC          158
2-3341-MV5-SC          186
2-3341-MV5-SC          202
2-3341-MV5-SC          282
2-3341-MV5-SC          304
2-3341-MV5-SC          373
2-3341-MV5-SC          459
2-3341-MV5-SC          651
2-3341-MV5-SC          728
2-3341-MV5EPO-DH       200
2-3341-MV5EPO-DH       371
2-3341-MV5EPO-DH       438
2-3341-MV5EPO-DH       507
2-3341-MV5EPO-DH       664
2-3341-MV5EPO-DH       709
2-3341-MV5EPO-DH       786
2-3341-MV5EPO-DH       816
2-3341-MV5S-SC         283
2-3341-MV5S-SC         632
2-3341-MV5S-SC         722
2-3341-MV6-SC           17
2-3341-MV6-SC           57
2-3341-MV6-SC           81
2-3341-MV6-SC          147
2-3341-MV6-SC          162
2-3341-MV6-SC          190
2-3341-MV6-SC          199
2-3341-MV6-SC          278
2-3341-MV6-SC          305
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----+----1----+----2----+----3
2-3341-MV6-SC          370
2-3341-MV6-SC          457
2-3341-MV6-SC          647
2-3341-MV6-SC          726
2-3341-MV6EPO-DH       201
2-3341-MV6EPO-DH       372
2-3341-MV6EPO-DH       439
2-3341-MV6EPO-DH       505
2-3341-MV6EPO-DH       665
2-3341-MV6EPO-DH       710
2-3341-MV6EPO-DH       788
2-3341-MV6EPO-DH       818
2-3341-MV6S-SC         277
2-3341-MV6S-SC         628
2-3341-MV6S-SC         723
2-3341-MV7-SC           16
2-3341-MV7-SC           55
2-3341-MV7-SC           78
2-3341-MV7-SC          152
2-3341-MV7-SC          159
2-3341-MV7-SC          187
2-3341-MV7-SC          195
2-3341-MV7-SC          276
2-3341-MV7-SC          306
2-3341-MV7-SC          366
2-3341-MV7-SC          456
2-3341-MV7-SC          653
2-3341-MV7-SC          730
2-3341-MV7EPO-DH       197
2-3341-MV7EPO-DH       368
2-3341-MV7EPO-DH       443
2-3341-MV7EPO-DH       502
2-3341-MV7EPO-DH       662
2-3341-MV7EPO-DH       715
2-3341-MV7EPO-DH       792
2-3341-MV7EPO-DH       822
2-3341-MV7S-SC         279
2-3341-MV7S-SC         635
2-3341-MV7S-SC         720
2-3341-MV8-SC           17
2-3341-MV8-SC           56
2-3341-MV8-SC           80
2-3341-MV8-SC          154
2-3341-MV8-SC          161
2-3341-MV8-SC          189
2-3341-MV8-SC          201
2-3341-MV8-SC          277
2-3341-MV8-SC          307
2-3341-MV8-SC          372
2-3341-MV8-SC          458
2-3341-MV8-SC          646
2-3341-MV8-SC          724
2-3341-MV8EPO-DH       199
2-3341-MV8EPO-DH       370
2-3341-MV8EPO-DH       445
2-3341-MV8EPO-DH       504
2-3341-MV8EPO-DH       663
2-3341-MV8EPO-DH       708
2-3341-MV8EPO-DH       793
2-3341-MV8EPO-DH       815
2-3341-MV8S-SC         278
2-3341-MV8S-SC         634
2-3341-MV8S-SC         721
2-3341-NV13-OSP          2
2-3341-NV16-OSP          3
2-3341-P1-SF           212
2-3341-P1-SF           213
2-3341-P1-SF           214
2-3341-P1-SF           217
2-3341-P1-SF           257
2-3341-P1-SF           259
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----+----1----+----2----+----3
2-3341-P1-SF          263
2-3341-P1-SF          264
2-3341-P1-SF          271
2-3341-P1-SF          480
2-3341-P1-SF          481
2-3341-P1-SF          482
2-3341-P1-SF          483
2-3341-P1-SF          525
2-3341-P1-SF          526
2-3341-P1-SF          596
2-3341-P1-SF          601
2-3341-P1-SF          604
2-3341-P1-SF          606
2-3341-P1-SF          656
2-3341-P1-SF          658
2-3341-P1-SF          687
2-3341-P1-SF          690
2-3341-P1-SF          691
2-3341-P1-SF          693
2-3341-P1-SF          730
2-3341-P1-SF          743
2-3341-P2-SF          211
2-3341-P2-SF          215
2-3341-P2-SF          216
2-3341-P2-SF          218
2-3341-P2-SF          253
2-3341-P2-SF          254
2-3341-P2-SF          258
2-3341-P2-SF          261
2-3341-P2-SF          270
2-3341-P2-SF          478
2-3341-P2-SF          479
2-3341-P2-SF          481
2-3341-P2-SF          483
2-3341-P2-SF          524
2-3341-P2-SF          526
2-3341-P2-SF          597
2-3341-P2-SF          598
2-3341-P2-SF          599
2-3341-P2-SF          603
2-3341-P2-SF          654
2-3341-P2-SF          659
2-3341-P2-SF          685
2-3341-P2-SF          688
2-3341-P2-SF          689
2-3341-P2-SF          695
2-3341-P2-SF          739
2-3341-P2-SF          742
2-3341-P3-SF          219
2-3341-P3-SF          220
2-3341-P3-SF          221
2-3341-P3-SF          222
2-3341-P3-SF          255
2-3341-P3-SF          256
2-3341-P3-SF          260
2-3341-P3-SF          262
2-3341-P3-SF          272
2-3341-P3-SF          478
2-3341-P3-SF          479
2-3341-P3-SF          480
2-3341-P3-SF          482
2-3341-P3-SF          524
2-3341-P3-SF          525
2-3341-P3-SF          595
2-3341-P3-SF          600
2-3341-P3-SF          602
2-3341-P3-SF          605
2-3341-P3-SF          655
2-3341-P3-SF          657
2-3341-P3-SF          684
2-3341-P3-SF          686
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----+----1----+----2----+----3
2-3341-P3-SF          692
2-3341-P3-SF          694
2-3341-P3-SF          740
2-3341-P3-SF          741
2-3341-PM1-SF         103
2-3341-PM1-SF         105
2-3341-PM1-SF         106
2-3341-PM1-SF         111
2-3341-PM1-SF         116
2-3341-PM1-SF         119
2-3341-PM1-SF         120
2-3341-PM1-SF         121
2-3341-PM1-SF         138
2-3341-PM1-SF         254
2-3341-PM1-SF         260
2-3341-PM1-SF         261
2-3341-PM1-SF         262
2-3341-PM1-SF         270
2-3341-PM1-SF         272
2-3341-PM1-SF         318
2-3341-PM1-SF         320
2-3341-PM1-SF         322
2-3341-PM1-SF         325
2-3341-PM1-SF         364
2-3341-PM1-SF         365
2-3341-PM1-SF         378
2-3341-PM1-SF         381
2-3341-PM1-SF         383
2-3341-PM1-SF         384
2-3341-PM1-SF         410
2-3341-PM1-SF         411
2-3341-PM1-SF         511
2-3341-PM1-SF         513
2-3341-PM1-SF         514
2-3341-PM1-SF         519
2-3341-PM1-SF         524
2-3341-PM1-SF         531
2-3341-PM1-SF         532
2-3341-PM1-SF         533
2-3341-PM1-SF         538
2-3341-PM1-SF         565
2-3341-PM1-SF         567
2-3341-PM1-SF         573
2-3341-PM1-SF         574
2-3341-PM1-SF         609
2-3341-PM1-SF         611
2-3341-PM1-SF         612
2-3341-PM1-SF         616
2-3341-PM1-SF         657
2-3341-PM1-SF         659
2-3341-PM1-SF         669
2-3341-PM1-SF         670
2-3341-PM1-SF         739
2-3341-PM1-SF         740
2-3341-PM1-SF         747
2-3341-PM1-SF         751
2-3341-PM1-SF         754
2-3341-PM1-SF         755
2-3341-PM1-SF         800
2-3341-PM1-SF         802
2-3341-PM1-SF         803
2-3341-PM1-SF         806
2-3341-PM1-SF         807
2-3341-PM1-SF         809
2-3341-PM2-SF         104
2-3341-PM2-SF         107
2-3341-PM2-SF         109
2-3341-PM2-SF         110
2-3341-PM2-SF         117
2-3341-PM2-SF         118
2-3341-PM2-SF         120
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----+----1----+----2----+----3
2-3341-PM2-SF          121
2-3341-PM2-SF          138
2-3341-PM2-SF          255
2-3341-PM2-SF          256
2-3341-PM2-SF          263
2-3341-PM2-SF          264
2-3341-PM2-SF          271
2-3341-PM2-SF          272
2-3341-PM2-SF          319
2-3341-PM2-SF          321
2-3341-PM2-SF          323
2-3341-PM2-SF          324
2-3341-PM2-SF          363
2-3341-PM2-SF          365
2-3341-PM2-SF          374
2-3341-PM2-SF          375
2-3341-PM2-SF          376
2-3341-PM2-SF          379
2-3341-PM2-SF          410
2-3341-PM2-SF          412
2-3341-PM2-SF          508
2-3341-PM2-SF          515
2-3341-PM2-SF          516
2-3341-PM2-SF          518
2-3341-PM2-SF          525
2-3341-PM2-SF          534
2-3341-PM2-SF          535
2-3341-PM2-SF          536
2-3341-PM2-SF          539
2-3341-PM2-SF          566
2-3341-PM2-SF          567
2-3341-PM2-SF          572
2-3341-PM2-SF          573
2-3341-PM2-SF          613
2-3341-PM2-SF          614
2-3341-PM2-SF          615
2-3341-PM2-SF          618
2-3341-PM2-SF          655
2-3341-PM2-SF          658
2-3341-PM2-SF          668
2-3341-PM2-SF          669
2-3341-PM2-SF          741
2-3341-PM2-SF          743
2-3341-PM2-SF          744
2-3341-PM2-SF          746
2-3341-PM2-SF          752
2-3341-PM2-SF          753
2-3341-PM2-SF          801
2-3341-PM2-SF          802
2-3341-PM2-SF          804
2-3341-PM2-SF          805
2-3341-PM2-SF          810
2-3341-PM2-SF          811
2-3341-PM3-SF          100
2-3341-PM3-SF          101
2-3341-PM3-SF          102
2-3341-PM3-SF          108
2-3341-PM3-SF          116
2-3341-PM3-SF          117
2-3341-PM3-SF          118
2-3341-PM3-SF          119
2-3341-PM3-SF          138
2-3341-PM3-SF          253
2-3341-PM3-SF          257
2-3341-PM3-SF          258
2-3341-PM3-SF          259
2-3341-PM3-SF          270
2-3341-PM3-SF          271
2-3341-PM3-SF          326
2-3341-PM3-SF          327
2-3341-PM3-SF          328
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----+----1----+----2----+----3
2-3341-PM3-SF          329
2-3341-PM3-SF          363
2-3341-PM3-SF          364
2-3341-PM3-SF          377
2-3341-PM3-SF          380
2-3341-PM3-SF          382
2-3341-PM3-SF          385
2-3341-PM3-SF          411
2-3341-PM3-SF          412
2-3341-PM3-SF          509
2-3341-PM3-SF          510
2-3341-PM3-SF          512
2-3341-PM3-SF          517
2-3341-PM3-SF          526
2-3341-PM3-SF          529
2-3341-PM3-SF          530
2-3341-PM3-SF          537
2-3341-PM3-SF          540
2-3341-PM3-SF          565
2-3341-PM3-SF          566
2-3341-PM3-SF          572
2-3341-PM3-SF          574
2-3341-PM3-SF          607
2-3341-PM3-SF          608
2-3341-PM3-SF          610
2-3341-PM3-SF          617
2-3341-PM3-SF          654
2-3341-PM3-SF          656
2-3341-PM3-SF          668
2-3341-PM3-SF          670
2-3341-PM3-SF          738
2-3341-PM3-SF          742
2-3341-PM3-SF          745
2-3341-PM3-SF          748
2-3341-PM3-SF          749
2-3341-PM3-SF          750
2-3341-PM3-SF          800
2-3341-PM3-SF          801
2-3341-PM3-SF          808
2-3341-PM3-SF          812
2-3341-PM3-SF          813
2-3341-PM3-SF          814
2-3341-PV6566-OH         8
2-3341-PV70-SC          13
2-3341-PV70-SC          51
2-3341-PV70-SC          72
2-3341-PV70-SC         174
2-3341-PV70-SC         180
2-3341-PV80-SC          13
2-3341-PV80-SC          50
2-3341-PV80-SC          71
2-3341-PV80-SC         173
2-3341-PV80-SC         179
2-3341-SDC2-CH          10
2-3341-SDC2WU-CH         4
2-3341-SV70-SC          71
2-3341-SV70-SC         237
2-3341-SV70-SC         273
2-3341-SV70-SC         463
2-3341-SV70-SC         476
2-3341-SV80-SC          72
2-3341-SV80-SC         238
2-3341-SV80-SC         273
2-3341-SV80-SC         462
2-3341-SV80-SC         477
2-3341-TC1-HOP          41
2-3341-TC1-HOP          46
2-3341-TC1-HOP          65
2-3341-TC1-HOP          94
2-3341-TC1-HOP         126
2-3341-TC1-HOP         132
```

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----+----1----+----2----+----3
2-3341-TC1-HOP        133
2-3341-TC1-HOP        166
2-3341-TC1-HOP        240
2-3341-TC1-HOP        243
2-3341-TC1-HOP        251
2-3341-TC1-HOP        287
2-3341-TC1-HOP        428
2-3341-TC1-HOP        558
2-3341-TC1-HOP        782
2-3341-TC2-HOP         38
2-3341-TC2-HOP         43
2-3341-TC2-HOP         62
2-3341-TC2-HOP         95
2-3341-TC2-HOP        124
2-3341-TC2-HOP        128
2-3341-TC2-HOP        130
2-3341-TC2-HOP        132
2-3341-TC2-HOP        134
2-3341-TC2-HOP        167
2-3341-TC2-HOP        241
2-3341-TC2-HOP        285
2-3341-TC2-HOP        430
2-3341-TC2-HOP        559
2-3341-TC2-HOP        780
2-3341-TETT-RECH      683
2-3341-TT1-LOP        683
2-3341-TT2-LOP        683
2-3341-TY1-HOP         18
2-3341-TY1-HOP         19
2-3341-TY1-HOP         22
2-3341-TY1-HOP         27
2-3341-TY1-HOP         31
2-3341-TY1-HOP         38
2-3341-TY1-HOP         39
2-3341-TY1-HOP         69
2-3341-TY1-HOP        140
2-3341-TY1-HOP        141
2-3341-TY1-HOP        142
2-3341-TY1-HOP        172
2-3341-TY1-HOP        265
2-3341-TY1-HOP        316
2-3341-TY1-HOP        484
2-3341-TY1-HOP        569
2-3341-TY1-HOP        824
2-3341-TY2-HOP         18
2-3341-TY2-HOP         20
2-3341-TY2-HOP         23
2-3341-TY2-HOP         26
2-3341-TY2-HOP         32
2-3341-TY2-HOP         37
2-3341-TY2-HOP         40
2-3341-TY2-HOP         41
2-3341-TY2-HOP         42
2-3341-TY2-HOP         70
2-3341-TY2-HOP        139
2-3341-TY2-HOP        171
2-3341-TY2-HOP        266
2-3341-TY2-HOP        317
2-3341-TY2-HOP        485
2-3341-TY2-HOP        568
2-3341-TY2-HOP        823
2-3341-V23-CH          32
2-3341-V23-CH          33
2-3341-V23-CH          52
2-3341-V23-CH          76
2-3341-V23-CH         112
2-3341-V23-CH         124
2-3341-V23-CH         125
2-3341-V23-CH         163
2-3341-V23-CH         224
2-3341-V23-CH         225
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----+----1----+----2----+----3
2-3341-V23-CH         226
2-3341-V23-CH         274
2-3341-V23-CH         413
2-3341-V23-CH         527
2-3341-V23-CH         758
2-3341-V26-CH          31
2-3341-V26-CH          34
2-3341-V26-CH          53
2-3341-V26-CH          75
2-3341-V26-CH         112
2-3341-V26-CH         122
2-3341-V26-CH         123
2-3341-V26-CH         126
2-3341-V26-CH         127
2-3341-V26-CH         164
2-3341-V26-CH         223
2-3341-V26-CH         275
2-3341-V26-CH         414
2-3341-V26-CH         528
2-3341-V26-CH         759
2-3341-VP1-CH          88
2-3341-VP1-CH          90
2-3341-VP1-CH          91
2-3341-VP1-CH          92
2-3341-VP1-CH         101
2-3341-VP1-CH         102
2-3341-VP1-CH         104
2-3341-VP1-CH         107
2-3341-VP1-CH         118
2-3341-VP1-CH         211
2-3341-VP1-CH         216
2-3341-VP1-CH         219
2-3341-VP1-CH         220
2-3341-VP1-CH         253
2-3341-VP1-CH         256
2-3341-VP1-CH         291
2-3341-VP1-CH         292
2-3341-VP1-CH         295
2-3341-VP1-CH         300
2-3341-VP1-CH         324
2-3341-VP1-CH         327
2-3341-VP1-CH         340
2-3341-VP1-CH         345
2-3341-VP1-CH         346
2-3341-VP1-CH         347
2-3341-VP1-CH         379
2-3341-VP1-CH         382
2-3341-VP1-CH         465
2-3341-VP1-CH         471
2-3341-VP1-CH         472
2-3341-VP1-CH         473
2-3341-VP1-CH         479
2-3341-VP1-CH         487
2-3341-VP1-CH         488
2-3341-VP1-CH         489
2-3341-VP1-CH         493
2-3341-VP1-CH         508
2-3341-VP1-CH         510
2-3341-VP1-CH         529
2-3341-VP1-CH         539
2-3341-VP1-CH         580
2-3341-VP1-CH         581
2-3341-VP1-CH         582
2-3341-VP1-CH         586
2-3341-VP1-CH         599
2-3341-VP1-CH         605
2-3341-VP1-CH         608
2-3341-VP1-CH         618
2-3341-VP1-CH         686
2-3341-VP1-CH         689
2-3341-VP1-CH         696
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----+----1----+----2----+----3
2-3341-VP1-CH          702
2-3341-VP1-CH          706
2-3341-VP1-CH          707
2-3341-VP1-CH          746
2-3341-VP1-CH          749
2-3341-VP1-CH          761
2-3341-VP1-CH          762
2-3341-VP1-CH          763
2-3341-VP1-CH          765
2-3341-VP1-CH          799
2-3341-VP1-CH          811
2-3341-VP1-CH          814
2-3341-VP2-CH           85
2-3341-VP2-CH           87
2-3341-VP2-CH           88
2-3341-VP2-CH           91
2-3341-VP2-CH          100
2-3341-VP2-CH          101
2-3341-VP2-CH          105
2-3341-VP2-CH          111
2-3341-VP2-CH          116
2-3341-VP2-CH          213
2-3341-VP2-CH          217
2-3341-VP2-CH          220
2-3341-VP2-CH          222
2-3341-VP2-CH          257
2-3341-VP2-CH          262
2-3341-VP2-CH          290
2-3341-VP2-CH          294
2-3341-VP2-CH          295
2-3341-VP2-CH          298
2-3341-VP2-CH          320
2-3341-VP2-CH          328
2-3341-VP2-CH          345
2-3341-VP2-CH          348
2-3341-VP2-CH          349
2-3341-VP2-CH          351
2-3341-VP2-CH          377
2-3341-VP2-CH          381
2-3341-VP2-CH          464
2-3341-VP2-CH          467
2-3341-VP2-CH          469
2-3341-VP2-CH          472
2-3341-VP2-CH          482
2-3341-VP2-CH          488
2-3341-VP2-CH          492
2-3341-VP2-CH          495
2-3341-VP2-CH          497
2-3341-VP2-CH          513
2-3341-VP2-CH          517
2-3341-VP2-CH          532
2-3341-VP2-CH          537
2-3341-VP2-CH          576
2-3341-VP2-CH          578
2-3341-VP2-CH          581
2-3341-VP2-CH          585
2-3341-VP2-CH          596
2-3341-VP2-CH          600
2-3341-VP2-CH          611
2-3341-VP2-CH          617
2-3341-VP2-CH          684
2-3341-VP2-CH          691
2-3341-VP2-CH          697
2-3341-VP2-CH          701
2-3341-VP2-CH          705
2-3341-VP2-CH          707
2-3341-VP2-CH          750
2-3341-VP2-CH          751
2-3341-VP2-CH          763
2-3341-VP2-CH          764
2-3341-VP2-CH          769
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----+----1----+----2----+----3
2-3341-VP2-CH          771
2-3341-VP2-CH          794
2-3341-VP2-CH          807
2-3341-VP2-CH          808
2-3341-VP3-CH           86
2-3341-VP3-CH           87
2-3341-VP3-CH           88
2-3341-VP3-CH           92
2-3341-VP3-CH          106
2-3341-VP3-CH          107
2-3341-VP3-CH          110
2-3341-VP3-CH          111
2-3341-VP3-CH          121
2-3341-VP3-CH          214
2-3341-VP3-CH          216
2-3341-VP3-CH          217
2-3341-VP3-CH          218
2-3341-VP3-CH          254
2-3341-VP3-CH          264
2-3341-VP3-CH          290
2-3341-VP3-CH          299
2-3341-VP3-CH          300
2-3341-VP3-CH          301
2-3341-VP3-CH          322
2-3341-VP3-CH          323
2-3341-VP3-CH          343
2-3341-VP3-CH          346
2-3341-VP3-CH          350
2-3341-VP3-CH          351
2-3341-VP3-CH          375
2-3341-VP3-CH          383
2-3341-VP3-CH          466
2-3341-VP3-CH          468
2-3341-VP3-CH          469
2-3341-VP3-CH          473
2-3341-VP3-CH          483
2-3341-VP3-CH          489
2-3341-VP3-CH          494
2-3341-VP3-CH          496
2-3341-VP3-CH          497
2-3341-VP3-CH          514
2-3341-VP3-CH          516
2-3341-VP3-CH          533
2-3341-VP3-CH          535
2-3341-VP3-CH          575
2-3341-VP3-CH          577
2-3341-VP3-CH          578
2-3341-VP3-CH          582
2-3341-VP3-CH          601
2-3341-VP3-CH          603
2-3341-VP3-CH          612
2-3341-VP3-CH          614
2-3341-VP3-CH          688
2-3341-VP3-CH          690
2-3341-VP3-CH          696
2-3341-VP3-CH          697
2-3341-VP3-CH          699
2-3341-VP3-CH          703
2-3341-VP3-CH          752
2-3341-VP3-CH          755
2-3341-VP3-CH          765
2-3341-VP3-CH          766
2-3341-VP3-CH          770
2-3341-VP3-CH          771
2-3341-VP3-CH          797
2-3341-VP3-CH          804
2-3341-VP3-CH          809
2-5323-7CB13-OH        697
2-5323-7CB13-OH        700
2-5323-7CB13-OH        701
2-5323-7CB13-OH        703
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2-5323-7CB13-OH       745
2-5323-7CB13-OH       750
2-5323-7CB13-OH       752
2-5323-7CB13-OH       753
2-5323-7CB13-OH       801
2-5323-7CB14-OH       704
2-5323-7CB14-OH       705
2-5323-7CB14-OH       706
2-5323-7CB14-OH       707
2-5323-7CB14-OH       744
2-5323-7CB14-OH       746
2-5323-7CB14-OH       747
2-5323-7CB14-OH       751
2-5323-7CB14-OH       802
2-5323-8CB13-OH       696
2-5323-8CB13-OH       698
2-5323-8CB13-OH       699
2-5323-8CB13-OH       702
2-5323-8CB13-OH       748
2-5323-8CB13-OH       749
2-5323-8CB13-OH       754
2-5323-8CB13-OH       755
2-5323-8CB13-OH       800
2-5323-LPM1-OCP       760
2-5323-LPM1-OCP       764
2-5323-LPM1-OCP       766
2-5323-LPM1-OCP       771
2-5323-LPM1-OCP       804
2-5323-LPM1-OCP       805
2-5323-LPM1-OCP       808
2-5323-LPM1-OCP       813
2-5323-LPM2-OCP       762
2-5323-LPM2-OCP       765
2-5323-LPM2-OCP       768
2-5323-LPM2-OCP       770
2-5323-LPM2-OCP       806
2-5323-LPM2-OCP       809
2-5323-LPM2-OCP       812
2-5323-LPM2-OCP       814
2-5323-LPM3-OCP       761
2-5323-LPM3-OCP       763
2-5323-LPM3-OCP       767
2-5323-LPM3-OCP       769
2-5323-LPM3-OCP       803
2-5323-LPM3-OCP       807
2-5323-LPM3-OCP       810
2-5323-LPM3-OCP       811
2-7230-LHX1-FO        485
2-7230-LHX1-FO        498
2-7230-LHX1-FO        588
2-7230-LHX1-FO        637
2-7230-LHX1-FO        759
2-7230-LHX1-FO        780
2-7230-LHX1-FO        781
2-7230-LHX2-FO        484
2-7230-LHX2-FO        499
2-7230-LHX2-FO        587
2-7230-LHX2-FO        636
2-7230-LHX2-FO        758
2-7230-LHX2-FO        782
2-7230-LHX2-FO        783
2-7230-LHX2-FO        784
2-7230-LHX2-FO        785
2-7230-TCV111-SC       20
2-7230-TCV111-SC       21
2-7230-TCV111-SC       24
2-7230-TCV111-SC       29
2-7230-TCV111-SC       34
2-7230-TCV111-SC       43
2-7230-TCV111-SC       45
2-7230-TCV111-SC       73
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2-7230-TCV111-SC     143
2-7230-TCV111-SC     144
2-7230-TCV111-SC     146
2-7230-TCV111-SC     181
2-7230-TCV111-SC     268
2-7230-TCV111-SC     330
2-7230-TCV111-SC     499
2-7230-TCV111-SC     571
2-7230-TCV111-SC     826
2-7230-TCV121-SC      19
2-7230-TCV121-SC      21
2-7230-TCV121-SC      25
2-7230-TCV121-SC      28
2-7230-TCV121-SC      33
2-7230-TCV121-SC      44
2-7230-TCV121-SC      46
2-7230-TCV121-SC      47
2-7230-TCV121-SC      48
2-7230-TCV121-SC      74
2-7230-TCV121-SC     145
2-7230-TCV121-SC     182
2-7230-TCV121-SC     267
2-7230-TCV121-SC     331
2-7230-TCV121-SC     498
2-7230-TCV121-SC     570
2-7230-TCV121-SC     825
2-7230-V11-CSP        42
2-7230-V11-CSP        47
2-7230-V11-CSP        66
2-7230-V11-CSP        97
2-7230-V11-CSP       127
2-7230-V11-CSP       134
2-7230-V11-CSP       135
2-7230-V11-CSP       170
2-7230-V11-CSP       239
2-7230-V11-CSP       242
2-7230-V11-CSP       245
2-7230-V11-CSP       289
2-7230-V11-CSP       429
2-7230-V11-CSP       555
2-7230-V11-CSP       784
2-7230-V12-SC        142
2-7230-V12-SC        146
2-7230-V12-SC        178
2-7230-V12-SC        194
2-7230-V12-SC        226
2-7230-V12-SC        243
2-7230-V12-SC        245
2-7230-V12-SC        247
2-7230-V12-SC        252
2-7230-V12-SC        313
2-7230-V12-SC        435
2-7230-V12-SC        543
2-7230-V12-SC        732
2-7230-V57-CSP        40
2-7230-V57-CSP        44
2-7230-V57-CSP        64
2-7230-V57-CSP        93
2-7230-V57-CSP       123
2-7230-V57-CSP       130
2-7230-V57-CSP       131
2-7230-V57-CSP       169
2-7230-V57-CSP       249
2-7230-V57-CSP       250
2-7230-V57-CSP       252
2-7230-V57-CSP       288
2-7230-V57-CSP       427
2-7230-V57-CSP       560
2-7230-V57-CSP       783
2-7230-V58-CSP        37
2-7230-V58-CSP        48
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----+----1----+----2----+----3
2-7230-V58-CSP          67
2-7230-V58-CSP          98
2-7230-V58-CSP         122
2-7230-V58-CSP         128
2-7230-V58-CSP         129
2-7230-V58-CSP         165
2-7230-V58-CSP         244
2-7230-V58-CSP         246
2-7230-V58-CSP         247
2-7230-V58-CSP         286
2-7230-V58-CSP         432
2-7230-V58-CSP         556
2-7230-V58-CSP         785
2-7230-V60-SC          141
2-7230-V60-SC          144
2-7230-V60-SC          177
2-7230-V60-SC          193
2-7230-V60-SC          225
2-7230-V60-SC          240
2-7230-V60-SC          242
2-7230-V60-SC          246
2-7230-V60-SC          250
2-7230-V60-SC          312
2-7230-V60-SC          434
2-7230-V60-SC          542
2-7230-V60-SC          735
2-7230-V61-CH          140
2-7230-V61-CH          143
2-7230-V61-CH          175
2-7230-V61-CH          192
2-7230-V61-CH          224
2-7230-V61-CH          239
2-7230-V61-CH          244
2-7230-V61-CH          249
2-7230-V61-CH          251
2-7230-V61-CH          311
2-7230-V61-CH          433
2-7230-V61-CH          541
2-7230-V61-CH          734
2-7230-V61-CSP          39
2-7230-V61-CSP          45
2-7230-V61-CSP          63
2-7230-V61-CSP          96
2-7230-V61-CSP         125
2-7230-V61-CSP         129
2-7230-V61-CSP         131
2-7230-V61-CSP         133
2-7230-V61-CSP         135
2-7230-V61-CSP         168
2-7230-V61-CSP         248
2-7230-V61-CSP         284
2-7230-V61-CSP         431
2-7230-V61-CSP         557
2-7230-V61-CSP         781
2-7230-VHX1-CH         139
2-7230-VHX1-CH         145
2-7230-VHX1-CH         176
2-7230-VHX1-CH         191
2-7230-VHX1-CH         223
2-7230-VHX1-CH         241
2-7230-VHX1-CH         248
2-7230-VHX1-CH         310
2-7230-VHX1-CH         433
2-7230-VHX1-CH         434
2-7230-VHX1-CH         435
2-7230-VHX1-CH         544
2-7230-VHX1-CH         733
2-7230-VSDCP1-CH        85
2-7230-VSDCP1-CH        86
2-7230-VSDCP1-CH        87
2-7230-VSDCP1-CH        89
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2-7230-VSDCP1-CH      100
2-7230-VSDCP1-CH      108
2-7230-VSDCP1-CH      109
2-7230-VSDCP1-CH      110
2-7230-VSDCP1-CH      117
2-7230-VSDCP1-CH      215
2-7230-VSDCP1-CH      218
2-7230-VSDCP1-CH      221
2-7230-VSDCP1-CH      222
2-7230-VSDCP1-CH      255
2-7230-VSDCP1-CH      258
2-7230-VSDCP1-CH      294
2-7230-VSDCP1-CH      296
2-7230-VSDCP1-CH      297
2-7230-VSDCP1-CH      299
2-7230-VSDCP1-CH      319
2-7230-VSDCP1-CH      329
2-7230-VSDCP1-CH      341
2-7230-VSDCP1-CH      343
2-7230-VSDCP1-CH      344
2-7230-VSDCP1-CH      348
2-7230-VSDCP1-CH      376
2-7230-VSDCP1-CH      380
2-7230-VSDCP1-CH      464
2-7230-VSDCP1-CH      466
2-7230-VSDCP1-CH      470
2-7230-VSDCP1-CH      475
2-7230-VSDCP1-CH      478
2-7230-VSDCP1-CH      486
2-7230-VSDCP1-CH      491
2-7230-VSDCP1-CH      492
2-7230-VSDCP1-CH      494
2-7230-VSDCP1-CH      509
2-7230-VSDCP1-CH      518
2-7230-VSDCP1-CH      536
2-7230-VSDCP1-CH      540
2-7230-VSDCP1-CH      575
2-7230-VSDCP1-CH      579
2-7230-VSDCP1-CH      584
2-7230-VSDCP1-CH      585
2-7230-VSDCP1-CH      597
2-7230-VSDCP1-CH      602
2-7230-VSDCP1-CH      607
2-7230-VSDCP1-CH      615
2-7230-VSDCP1-CH      685
2-7230-VSDCP1-CH      692
2-7230-VSDCP1-CH      698
2-7230-VSDCP1-CH      699
2-7230-VSDCP1-CH      704
2-7230-VSDCP1-CH      705
2-7230-VSDCP1-CH      744
2-7230-VSDCP1-CH      748
2-7230-VSDCP1-CH      767
2-7230-VSDCP1-CH      768
2-7230-VSDCP1-CH      769
2-7230-VSDCP1-CH      770
2-7230-VSDCP1-CH      798
2-7230-VSDCP1-CH      810
2-7230-VSDCP1-CH      812
2-7230-VSDCP2-CH       86
2-7230-VSDCP2-CH       89
2-7230-VSDCP2-CH       90
2-7230-VSDCP2-CH       92
2-7230-VSDCP2-CH      102
2-7230-VSDCP2-CH      103
2-7230-VSDCP2-CH      106
2-7230-VSDCP2-CH      108
2-7230-VSDCP2-CH      119
2-7230-VSDCP2-CH      212
2-7230-VSDCP2-CH      214
2-7230-VSDCP2-CH      219
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----+----1----+----2----+----3
2-7230-VSDCP2-CH      221
2-7230-VSDCP2-CH      259
2-7230-VSDCP2-CH      260
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2-7230-VSDCP2-CH      296
2-7230-VSDCP2-CH      301
2-7230-VSDCP2-CH      325
2-7230-VSDCP2-CH      326
2-7230-VSDCP2-CH      342
2-7230-VSDCP2-CH      344
2-7230-VSDCP2-CH      347
2-7230-VSDCP2-CH      350
2-7230-VSDCP2-CH      384
2-7230-VSDCP2-CH      385
2-7230-VSDCP2-CH      465
2-7230-VSDCP2-CH      468
2-7230-VSDCP2-CH      470
2-7230-VSDCP2-CH      474
2-7230-VSDCP2-CH      480
2-7230-VSDCP2-CH      486
2-7230-VSDCP2-CH      490
2-7230-VSDCP2-CH      493
2-7230-VSDCP2-CH      496
2-7230-VSDCP2-CH      512
2-7230-VSDCP2-CH      519
2-7230-VSDCP2-CH      530
2-7230-VSDCP2-CH      538
2-7230-VSDCP2-CH      577
2-7230-VSDCP2-CH      579
2-7230-VSDCP2-CH      583
2-7230-VSDCP2-CH      586
2-7230-VSDCP2-CH      595
2-7230-VSDCP2-CH      604
2-7230-VSDCP2-CH      610
2-7230-VSDCP2-CH      616
2-7230-VSDCP2-CH      693
2-7230-VSDCP2-CH      694
2-7230-VSDCP2-CH      700
2-7230-VSDCP2-CH      703
2-7230-VSDCP2-CH      704
2-7230-VSDCP2-CH      706
2-7230-VSDCP2-CH      745
2-7230-VSDCP2-CH      747
2-7230-VSDCP2-CH      760
2-7230-VSDCP2-CH      761
2-7230-VSDCP2-CH      766
2-7230-VSDCP2-CH      767
2-7230-VSDCP2-CH      795
2-7230-VSDCP2-CH      803
2-7230-VSDCP2-CH      813
2-7230-VSDCP3-CH       85
2-7230-VSDCP3-CH       89
2-7230-VSDCP3-CH       90
2-7230-VSDCP3-CH       91
2-7230-VSDCP3-CH      103
2-7230-VSDCP3-CH      104
2-7230-VSDCP3-CH      105
2-7230-VSDCP3-CH      109
2-7230-VSDCP3-CH      120
2-7230-VSDCP3-CH      211
2-7230-VSDCP3-CH      212
2-7230-VSDCP3-CH      213
2-7230-VSDCP3-CH      215
2-7230-VSDCP3-CH      261
2-7230-VSDCP3-CH      263
2-7230-VSDCP3-CH      292
2-7230-VSDCP3-CH      293
2-7230-VSDCP3-CH      297
2-7230-VSDCP3-CH      298
2-7230-VSDCP3-CH      318
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----+----1----+----2----+----3
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2-7230-VSDCP3-CH      340
2-7230-VSDCP3-CH      341
2-7230-VSDCP3-CH      342
2-7230-VSDCP3-CH      349
2-7230-VSDCP3-CH      374
2-7230-VSDCP3-CH      378
2-7230-VSDCP3-CH      467
2-7230-VSDCP3-CH      471
2-7230-VSDCP3-CH      474
2-7230-VSDCP3-CH      475
2-7230-VSDCP3-CH      481
2-7230-VSDCP3-CH      487
2-7230-VSDCP3-CH      490
2-7230-VSDCP3-CH      491
2-7230-VSDCP3-CH      495
2-7230-VSDCP3-CH      511
2-7230-VSDCP3-CH      515
2-7230-VSDCP3-CH      531
2-7230-VSDCP3-CH      534
2-7230-VSDCP3-CH      576
2-7230-VSDCP3-CH      580
2-7230-VSDCP3-CH      583
2-7230-VSDCP3-CH      584
2-7230-VSDCP3-CH      598
2-7230-VSDCP3-CH      606
2-7230-VSDCP3-CH      609
2-7230-VSDCP3-CH      613
2-7230-VSDCP3-CH      687
2-7230-VSDCP3-CH      695
2-7230-VSDCP3-CH      698
2-7230-VSDCP3-CH      700
2-7230-VSDCP3-CH      701
2-7230-VSDCP3-CH      702
2-7230-VSDCP3-CH      753
2-7230-VSDCP3-CH      754
2-7230-VSDCP3-CH      760
2-7230-VSDCP3-CH      762
2-7230-VSDCP3-CH      764
2-7230-VSDCP3-CH      768
2-7230-VSDCP3-CH      796
2-7230-VSDCP3-CH      805
2-7230-VSDCP3-CH      806
2-K0014-101-SO        576
2-K0014-101-SO        577
2-K0014-101-SO        578
2-K0014-101-SO        583
2-K0014-101-SO        610
2-K0014-101-SO        613
2-K0014-101-SO        614
2-K0014-101-SO        617
2-K0014-101-SO        668
2-K0014-401-SO        490
2-K0014-401-SO        495
2-K0014-401-SO        496
2-K0014-401-SO        497
2-K0014-401-SO        530
2-K0014-401-SO        534
2-K0014-401-SO        535
2-K0014-401-SO        537
2-K0014-401-SO        572
2-K0014-412-SO        467
2-K0014-412-SO        468
2-K0014-412-SO        469
2-K0014-412-SO        474
2-K0014-412-SO        512
2-K0014-412-SO        515
2-K0014-412-SO        516
2-K0014-412-SO        517
2-K0014-412-SO        566
2-K0014-SO            342
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----+----1----+----2----+----3
2-K0014-SO              349
2-K0014-SO              350
2-K0014-SO              351
2-K0014-SO              374
2-K0014-SO              375
2-K0014-SO              377
2-K0014-SO              385
2-K0014-SO              412
2-K0014-SO              684
2-K0014-SO              688
2-K0014-SO              694
2-K0014-SO              695
2-K0014-SO              741
2-K0014-SO              742
2-K0015-101-CSP         366
2-K0015-101-CSP         790
2-K0015-101-SO          187
2-K0015-101-SO          424
2-K0015-101-SO          450
2-K0015-101-SO          623
2-K0015-101-SO          639
2-K0015-101-SO          776
2-K0015-101-SO          822
2-K0015-201-CSP         367
2-K0015-201-CSP         791
2-K0015-201-SO          183
2-K0015-201-SO          422
2-K0015-201-SO          446
2-K0015-201-SO          626
2-K0015-201-SO          638
2-K0015-201-SO          773
2-K0015-201-SO          820
2-K0015-216-CSP         372
2-K0015-216-CSP         788
2-K0015-216-SO          189
2-K0015-216-SO          418
2-K0015-216-SO          453
2-K0015-216-SO          622
2-K0015-216-SO          642
2-K0015-216-SO          775
2-K0015-216-SO          815
2-K0015-401-SO          159
2-K0015-401-SO          362
2-K0015-401-SO          402
2-K0015-401-SO          549
2-K0015-401-SO          561
2-K0015-401-SO          643
2-K0015-401-SO          715
2-K0015-410-SO          152
2-K0015-410-SO          332
2-K0015-410-SO          390
2-K0015-410-SO          522
2-K0015-410-SO          545
2-K0015-410-SO          619
2-K0015-410-SO          662
2-K0015-501-CSP         371
2-K0015-501-CSP         786
2-K0015-501-SO          188
2-K0015-501-SO          423
2-K0015-501-SO          449
2-K0015-501-SO          621
2-K0015-501-SO          644
2-K0015-501-SO          772
2-K0015-501-SO          817
2-K0015-701-SO          155
2-K0015-701-SO          360
2-K0015-701-SO          407
2-K0015-701-SO          551
2-K0015-701-SO          563
2-K0015-701-SO          645
2-K0015-701-SO          714
```

```
----+----1----+----2----+----3
2-K0015-710-SO        149
2-K0015-710-SO        338
2-K0015-710-SO        387
2-K0015-710-SO        520
2-K0015-710-SO        546
2-K0015-710-SO        620
2-K0015-710-SO        660
2-K0015-801-SO        160
2-K0015-801-SO        361
2-K0015-801-SO        403
2-K0015-801-SO        548
2-K0015-801-SO        562
2-K0015-801-SO        640
2-K0015-801-SO        711
2-K0015-805-SO        161
2-K0015-805-SO        356
2-K0015-805-SO        406
2-K0015-805-SO        547
2-K0015-805-SO        564
2-K0015-805-SO        641
2-K0015-805-SO        708
2-K0015-810-SO        153
2-K0015-810-SO        339
2-K0015-810-SO        391
2-K0015-810-SO        523
2-K0015-810-SO        550
2-K0015-810-SO        624
2-K0015-810-SO        666
2-K0015-812-SO        154
2-K0015-812-SO        337
2-K0015-812-SO        386
2-K0015-812-SO        521
2-K0015-812-SO        552
2-K0015-812-SO        625
2-K0015-812-SO        663
2-K0015-DO            591
2-K0015-DO            592
2-K0015-DO            594
2-K0015-DO            724
2-K0015-DO            727
2-K0015-DO            729
2-K0015-DO            730
2-K0015-FO            302
2-K0015-FO            303
2-K0015-FO            306
2-K0015-FO            307
2-K0015-FO            671
2-K0015-FO            674
2-K0015-FO            675
2-K0015-FO            678
2-K0015-FO            756
2-K0015-SO             78
2-K0015-SO             79
2-K0015-SO             80
2-K0015-SO             83
2-K0015-SO            227
2-K0015-SO            228
2-K0015-SO            231
2-K0015-SO            232
2-K0015-SO            269
2-K0015-SO            388
2-K0015-SO            389
2-K0015-SO            392
2-K0015-SO            393
2-K0015-SO            400
2-K0015-SO            401
2-K0015-SO            404
2-K0015-SO            405
2-K0015-SO            447
2-K0015-SO            448
2-K0015-SO            451
```

```
----+----1----+----2----+----3
2-K0015-SO            452
2-K0015-SO            501
2-K0015-SO            502
2-K0015-SO            504
2-K0015-SO            506
2-K0015-SO            716
2-K0015-SO            718
2-K0015-SO            720
2-K0015-SO            721
2-K0015-SO            757
2-K0015-Y4-OH         399
2-K0015-Y4-OH         456
2-K0015-Y4-OH         589
2-K0015-Y7-OH         397
2-K0015-Y7-OH         460
2-K0015-Y7-OH         593
2-K0015-Y8-OH         396
2-K0015-Y8-OH         398
2-K0015-Y8-OH         454
2-K0015-Y8-OH         458
2-K0015-Y8-OH         590
2-K0017-101-CSP        12
2-K0017-502-CSP       317
2-K0017-502-CSP       331
2-K0017-502-CSP       409
2-K0017-502-CSP       437
2-K0017-502-CSP       528
2-K0017-502-CSP       557
2-K0017-502-CSP       559
2-K0017-502-CSP       681
2-K0017-X1-CSP        352
2-K0017-Y4-CSP         68
2-K0017-Y8-CSP        823
2-K0017-Y8-CSP        825
2-K0162-101-SO        579
2-K0162-101-SO        581
2-K0162-101-SO        585
2-K0162-101-SO        586
2-K0162-101-SO        611
2-K0162-101-SO        615
2-K0162-101-SO        616
2-K0162-101-SO        618
2-K0162-101-SO        669
2-K0162-401-SO        486
2-K0162-401-SO        488
2-K0162-401-SO        492
2-K0162-401-SO        493
2-K0162-401-SO        532
2-K0162-401-SO        536
2-K0162-401-SO        538
2-K0162-401-SO        539
2-K0162-401-SO        573
2-K0162-412-SO        464
2-K0162-412-SO        465
2-K0162-412-SO        470
2-K0162-412-SO        472
2-K0162-412-SO        508
2-K0162-412-SO        513
2-K0162-412-SO        518
2-K0162-412-SO        519
2-K0162-412-SO        567
2-K0162-SO            344
2-K0162-SO            345
2-K0162-SO            347
2-K0162-SO            348
2-K0162-SO            376
2-K0162-SO            379
2-K0162-SO            381
2-K0162-SO            384
2-K0162-SO            410
2-K0162-SO            685
```

```
----+----1----+----2----+----3
2-K0162-SO            689
2-K0162-SO            691
2-K0162-SO            693
2-K0162-SO            739
2-K0162-SO            743
2-K0314-101-SO        575
2-K0314-101-SO        580
2-K0314-101-SO        582
2-K0314-101-SO        584
2-K0314-101-SO        607
2-K0314-101-SO        608
2-K0314-101-SO        609
2-K0314-101-SO        612
2-K0314-101-SO        670
2-K0314-401-SO        487
2-K0314-401-SO        489
2-K0314-401-SO        491
2-K0314-401-SO        494
2-K0314-401-SO        529
2-K0314-401-SO        531
2-K0314-401-SO        533
2-K0314-401-SO        540
2-K0314-401-SO        574
2-K0314-412-SO        466
2-K0314-412-SO        471
2-K0314-412-SO        473
2-K0314-412-SO        475
2-K0314-412-SO        509
2-K0314-412-SO        510
2-K0314-412-SO        511
2-K0314-412-SO        514
2-K0314-412-SO        565
2-K0314-SO            340
2-K0314-SO            341
2-K0314-SO            343
2-K0314-SO            346
2-K0314-SO            378
2-K0314-SO            380
2-K0314-SO            382
2-K0314-SO            383
2-K0314-SO            411
2-K0314-SO            686
2-K0314-SO            687
2-K0314-SO            690
2-K0314-SO            692
2-K0314-SO            738
2-K0314-SO            740
2-K0315-101-CSP       373
2-K0315-101-CSP       789
2-K0315-101-SO        186
2-K0315-101-SO        420
2-K0315-101-SO        447
2-K0315-101-SO        624
2-K0315-101-SO        640
2-K0315-101-SO        772
2-K0315-101-SO        816
2-K0315-201-CSP       369
2-K0315-201-CSP       787
2-K0315-201-SO        184
2-K0315-201-SO        421
2-K0315-201-SO        452
2-K0315-201-SO        620
2-K0315-201-SO        645
2-K0315-201-SO        773
2-K0315-201-SO        821
2-K0315-216-CSP       370
2-K0315-216-CSP       793
2-K0315-216-SO        190
2-K0315-216-SO        415
2-K0315-216-SO        451
2-K0315-216-SO        625
```

```
----+----1----+----2----+----3
2-K0315-216-SO        641
2-K0315-216-SO        775
2-K0315-216-SO        818
2-K0315-401-SO        158
2-K0315-401-SO        359
2-K0315-401-SO        401
2-K0315-401-SO        550
2-K0315-401-SO        562
2-K0315-401-SO        644
2-K0315-401-SO        709
2-K0315-410-SO        148
2-K0315-410-SO        335
2-K0315-410-SO        388
2-K0315-410-SO        523
2-K0315-410-SO        548
2-K0315-410-SO        621
2-K0315-410-SO        664
2-K0315-501-CSP       368
2-K0315-501-CSP       792
2-K0315-501-SO        185
2-K0315-501-SO        419
2-K0315-501-SO        448
2-K0315-501-SO        619
2-K0315-501-SO        643
2-K0315-501-SO        776
2-K0315-501-SO        819
2-K0315-701-SO        162
2-K0315-701-SO        357
2-K0315-701-SO        404
2-K0315-701-SO        552
2-K0315-701-SO        564
2-K0315-701-SO        642
2-K0315-701-SO        710
2-K0315-710-SO        147
2-K0315-710-SO        333
2-K0315-710-SO        392
2-K0315-710-SO        521
2-K0315-710-SO        547
2-K0315-710-SO        622
2-K0315-710-SO        665
2-K0315-801-SO        156
2-K0315-801-SO        355
2-K0315-801-SO        405
2-K0315-801-SO        546
2-K0315-801-SO        563
2-K0315-801-SO        638
2-K0315-801-SO        713
2-K0315-805-SO        157
2-K0315-805-SO        358
2-K0315-805-SO        400
2-K0315-805-SO        545
2-K0315-805-SO        561
2-K0315-805-SO        639
2-K0315-805-SO        712
2-K0315-810-SO        150
2-K0315-810-SO        334
2-K0315-810-SO        393
2-K0315-810-SO        520
2-K0315-810-SO        551
2-K0315-810-SO        626
2-K0315-810-SO        661
2-K0315-812-SO        151
2-K0315-812-SO        336
2-K0315-812-SO        389
2-K0315-812-SO        522
2-K0315-812-SO        549
2-K0315-812-SO        623
2-K0315-812-SO        667
2-K0315-DO            589
2-K0315-DO            590
2-K0315-DO            593
```

```
----+----1----+----2----+----3
2-K0315-DO          725
2-K0315-DO          726
2-K0315-DO          728
2-K0315-DO          731
2-K0315-FO          304
2-K0315-FO          305
2-K0315-FO          308
2-K0315-FO          309
2-K0315-FO          672
2-K0315-FO          673
2-K0315-FO          676
2-K0315-FO          677
2-K0315-FO          757
2-K0315-SO           77
2-K0315-SO           81
2-K0315-SO           82
2-K0315-SO           84
2-K0315-SO          229
2-K0315-SO          230
2-K0315-SO          233
2-K0315-SO          234
2-K0315-SO          269
2-K0315-SO          386
2-K0315-SO          387
2-K0315-SO          390
2-K0315-SO          391
2-K0315-SO          402
2-K0315-SO          403
2-K0315-SO          406
2-K0315-SO          407
2-K0315-SO          446
2-K0315-SO          449
2-K0315-SO          450
2-K0315-SO          453
2-K0315-SO          500
2-K0315-SO          503
2-K0315-SO          505
2-K0315-SO          507
2-K0315-SO          717
2-K0315-SO          719
2-K0315-SO          722
2-K0315-SO          723
2-K0315-SO          756
2-K0315-Y4-OH       398
2-K0315-Y4-OH       459
2-K0315-Y4-OH       594
2-K0315-Y7-OH       396
2-K0315-Y7-OH       457
2-K0315-Y7-OH       591
2-K0315-Y8-OH       397
2-K0315-Y8-OH       399
2-K0315-Y8-OH       455
2-K0315-Y8-OH       461
2-K0315-Y8-OH       592
2-K0317-102-CSP     316
2-K0317-102-CSP     330
2-K0317-102-CSP     408
2-K0317-102-CSP     436
2-K0317-102-CSP     527
2-K0317-102-CSP     555
2-K0317-102-CSP     556
2-K0317-102-CSP     558
2-K0317-102-CSP     560
2-K0317-102-CSP     682
2-K0317-519-SC      173
2-K0317-519-SC      416
2-K0317-519-SC      462
2-K0317-519-SC      774
2-K0317-519-SC      777
2-K0317-522-SC      174
2-K0317-522-SC      417
```

```
----+----1----+----2----+----3
2-K0317-522-SC          463
2-K0317-522-SC          774
2-K0317-522-SC          778
2-K0317-704-SC          180
2-K0317-704-SC          425
2-K0317-704-SC          476
2-K0317-704-SC          777
2-K0317-704-SC          779
2-K0317-805-SC          179
2-K0317-805-SC          426
2-K0317-805-SC          477
2-K0317-805-SC          778
2-K0317-805-SC          779
2-K0317-SO                5
2-K0317-X5-SC           203
2-K0317-Y4-CSP          824
2-K0317-Y4-CSP          826
23341-HS1T08-OSH          7
25333LMV1MCC-OCP        653
25333LMV2MCC-OCP        649
25333LMV3MCC-OCP        651
25333LMV4MCC-OCP        650
25333LMV5MCC-OCP        652
25333LMV6MCC-OCP        646
25333LMV7MCC-OCP        648
25333LMV8MCC-OCP        647
608-PK-00-DH            396
608-PK-00-DH            397
608-PK-00-DH            398
608-PK-00-DH            399
608-PK-00-DH            454
608-PK-00-DH            455
608-PK-00-DH            456
608-PK-00-DH            457
608-PK-00-DH            458
608-PK-00-DH            459
608-PK-00-DH            460
608-PK-00-DH            461
608-PK-00-DH            589
608-PK-00-DH            590
608-PK-00-DH            591
608-PK-00-DH            592
608-PK-00-DH            593
608-PK-00-DH            594
608-PK-00-DH            724
608-PK-00-DH            725
608-PK-00-DH            726
608-PK-00-DH            727
608-PK-00-DH            728
608-PK-00-DH            729
608-PK-00-DH            730
608-PK-00-DH            731
```

5.12 File : SDC_SIMOUT2

```
Percentile:  1%  7.03916E-02
Percentile:  2%  7.47187E-02
Percentile:  3%  7.86887E-02
Percentile:  4%  8.68643E-02
Percentile:  5%  8.90466E-02
Percentile:  6%  9.15698E-02
Percentile:  7%  9.35482E-02
Percentile:  8%  9.73892E-02
Percentile:  9%  1.00992E-01
Percentile: 10%  1.01892E-01
Percentile: 11%  1.03228E-01
Percentile: 12%  1.07297E-01
Percentile: 13%  1.10463E-01
Percentile: 14%  1.11919E-01
Percentile: 15%  1.13818E-01
Percentile: 16%  1.15251E-01
Percentile: 17%  1.16538E-01
Percentile: 18%  1.18095E-01
Percentile: 19%  1.21197E-01
Percentile: 20%  1.23273E-01
Percentile: 21%  1.24541E-01
Percentile: 22%  1.25280E-01
Percentile: 23%  1.26381E-01
Percentile: 24%  1.28445E-01
Percentile: 25%  1.30083E-01
Percentile: 26%  1.31545E-01
Percentile: 27%  1.34510E-01
Percentile: 28%  1.35690E-01
Percentile: 29%  1.38079E-01
Percentile: 30%  1.38660E-01
Percentile: 31%  1.39910E-01
Percentile: 32%  1.41510E-01
Percentile: 33%  1.42899E-01
Percentile: 34%  1.44450E-01
Percentile: 35%  1.45102E-01
Percentile: 36%  1.46194E-01
Percentile: 37%  1.48175E-01
Percentile: 38%  1.50276E-01
Percentile: 39%  1.51050E-01
Percentile: 40%  1.52093E-01
Percentile: 41%  1.54627E-01
Percentile: 42%  1.55506E-01
Percentile: 43%  1.58943E-01
Percentile: 44%  1.60555E-01
Percentile: 45%  1.61964E-01
Percentile: 46%  1.62705E-01
Percentile: 47%  1.65201E-01
Percentile: 48%  1.67240E-01
Percentile: 49%  1.68281E-01
Percentile: 50%  1.70185E-01
Percentile: 51%  1.72145E-01
Percentile: 52%  1.74028E-01
Percentile: 53%  1.76461E-01
Percentile: 54%  1.79911E-01
Percentile: 55%  1.82882E-01
Percentile: 56%  1.84613E-01
Percentile: 57%  1.85913E-01
Percentile: 58%  1.89788E-01
Percentile: 59%  1.90944E-01
Percentile: 60%  1.91853E-01
Percentile: 61%  1.92739E-01
Percentile: 62%  1.95627E-01
Percentile: 63%  1.97633E-01
Percentile: 64%  2.00820E-01
Percentile: 65%  2.02577E-01
```

```
Percentile: 66%  2.06098E-01
Percentile: 67%  2.10178E-01
Percentile: 68%  2.11950E-01
Percentile: 69%  2.13914E-01
Percentile: 70%  2.19102E-01
Percentile: 71%  2.24769E-01
Percentile: 72%  2.27434E-01
Percentile: 73%  2.28846E-01
Percentile: 74%  2.30469E-01
Percentile: 75%  2.34432E-01
Percentile: 76%  2.40421E-01
Percentile: 77%  2.45092E-01
Percentile: 78%  2.49969E-01
Percentile: 79%  2.51543E-01
Percentile: 80%  2.58045E-01
Percentile: 81%  2.62223E-01
Percentile: 82%  2.70842E-01
Percentile: 83%  2.76185E-01
Percentile: 84%  2.80786E-01
Percentile: 85%  2.84960E-01
Percentile: 86%  2.95181E-01
Percentile: 87%  2.99606E-01
Percentile: 88%  3.11524E-01
Percentile: 89%  3.19151E-01
Percentile: 90%  3.27589E-01
Percentile: 91%  3.44109E-01
Percentile: 92%  3.56651E-01
Percentile: 93%  3.81350E-01
Percentile: 94%  4.01498E-01
Percentile: 95%  4.26659E-01
Percentile: 96%  4.54943E-01
Percentile: 97%  4.88049E-01
Percentile: 98%  5.38996E-01
Percentile: 99%  6.52336E-01

Mean   = 2.02301E-01, Std. Dev. = 2.26850E+00

Median = 1.70185E-01, K-factor  = 2.50703E+00
```

5.13 File : ERRORS

```
*** WARNING *** Zero median was specified for primary event : 2-3341-HS11N-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS12N-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS13N-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS1O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS1O-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS21C-OSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS21O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS22C-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS25C-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS2O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS2O-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS3O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS3O-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS4O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS4O-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS5O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS5O-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS6O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS6O-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS7OC-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS7O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS7O-SO
```

Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS80C-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS8O-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HS8O-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HX1-ITP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-HX2-ITP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV1-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV1S-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV2-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV21-OSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV21S-OSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV22-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV25-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV2S-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV3-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV3S-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV4-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV4S-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV5-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV5S-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV6-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV6S-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV7-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV7S-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV8-SC

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Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-MV8S-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-NV13-OSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-NV16-OSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-P1-SF
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-P2-SF
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-P3-SF
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-PM1-SF
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-PM2-SF
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-PM3-SF
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-PV70-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-PV80-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-SV70-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-SV80-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-TC1-HOP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-TC2-HOP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-TT1-LOP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-TT2-LOP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-TY1-HOP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-3341-TY2-HOP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-5323-LPM1-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-5323-LPM2-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-5323-LPM3-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-7230-TCV111-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-7230-TCV121-SC
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Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-7230-V11-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-7230-V12-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-7230-V57-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-7230-V58-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-7230-V60-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-7230-V61-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0014-101-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0014-401-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0014-412-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0014-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-101-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-101-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-201-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-201-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-216-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-216-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-401-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-410-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-501-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-501-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-701-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-710-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-801-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-805-SO
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Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-810-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-812-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-DO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0015-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0017-101-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0017-502-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0017-X1-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0017-Y4-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0017-Y8-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0162-101-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0162-401-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0162-412-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0162-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0314-101-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0314-401-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0314-412-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0314-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-101-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-101-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-201-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-201-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-216-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-216-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-401-SO

Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-410-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-501-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-501-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-701-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-710-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-801-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-805-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-810-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-812-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-DO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0315-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0317-102-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0317-519-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0317-522-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0317-704-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0317-805-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0317-SO
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0317-X5-SC
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 2-K0317-Y4-CSP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 25333LMV1MCC-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 25333LMV2MCC-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 25333LMV3MCC-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 25333LMV4MCC-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 25333LMV5MCC-OCP

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Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 25333LMV6MCC-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 25333LMV7MCC-OCP
Value of zero was used for the sample.

*** WARNING *** Zero median was specified for primary event : 25333LMV8MCC-OCP
Value of zero was used for the sample.
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:     3 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:     5 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:     7 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:     8 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:    11 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:    13 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:    14 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:    15 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:    16 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    18 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    22 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:    25 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    26 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:    28 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
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Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    30 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:    31 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    32 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        4
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:    33 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:    34 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:    35 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:    36 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:    37 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    40 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    41 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:    44 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:    45 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    46 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1 \
Simulation:    47 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:    48 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:    50 ---
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Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:    51 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:    53 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:    58 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       6
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:    59 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:    60 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:    62 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:    63 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:    67 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:    68 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:    69 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:    70 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:    72 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:    76 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:    78 ---
Number of pure probability samples which were greater than 1 ...
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and were discarded :       2
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:    79 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:    80 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:    83 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:    86 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:    87 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:    90 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:    93 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:    94 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:    95 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:    97 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       4
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:    98 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:    99 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-SDC2WU-CH, Pure probability sample was greater than 1
Simulation:   100 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   103 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   104 ---
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Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   110 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   111 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   112 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   113 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   114 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   115 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       4
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   119 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   120 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       4
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   121 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   122 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   123 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   124 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   125 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   126 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
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Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   127 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   128 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   129 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   131 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        4
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   133 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   134 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   136 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   137 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   138 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   139 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   140 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        4
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   143 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   145 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   146 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   150 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   151 ---
Number of pure probability samples which were greater than 1 ...
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and were discarded :       1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   152 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   153 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   154 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       5
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   155 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   157 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   158 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   159 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   161 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   163 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   165 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       4
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   166 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   167 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   168 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   170 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
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Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   171 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   172 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   174 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   175 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   180 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   181 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   183 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   184 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   188 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   191 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   193 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   194 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   195 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   196 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   197 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   198 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
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Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   199 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   200 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   201 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   204 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   205 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   206 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   208 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       5
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   210 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   211 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   212 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   213 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   215 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   217 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   219 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
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Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   221 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   222 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   223 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   224 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   226 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   227 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   228 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   230 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   232 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   233 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   235 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   237 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   239 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   240 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   241 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   243 ---
Number of pure probability samples which were greater than 1 ...
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and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   244 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   245 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   246 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   247 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   248 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   249 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   250 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       5
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   251 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   255 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   256 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   258 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   260 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   261 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   263 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
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Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   266 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   267 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   268 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   269 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   270 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   272 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   273 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   274 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   277 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   278 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   279 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   280 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   283 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   284 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   286 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   287 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   288 ---
Number of pure probability samples which were greater than 1 ...
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and were discarded :       2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   289 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   290 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   292 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   293 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   294 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   295 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   297 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   298 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   299 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   300 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   301 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   302 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   303 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   304 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
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Simulation:   305 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   306 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   307 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   308 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   309 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   310 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   311 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   312 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   314 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   317 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   318 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   320 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-LSDC2-EL , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   322 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   323 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   324 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
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Event : 2-3341-LSDC2-EL , Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   325 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   327 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   328 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   329 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   331 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   332 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   333 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   334 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   335 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       4
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   338 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   340 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   341 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   342 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   343 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   344 ---
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Number of pure probability samples which were greater than 1 ...
and were discarded :        3
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   345 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   347 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   348 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   349 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   351 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   353 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   354 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   355 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   356 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   357 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   358 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   360 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   361 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        2
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   362 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   363 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   364 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :        1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
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Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   368 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   369 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   370 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   371 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   372 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   373 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   376 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   377 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   378 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   379 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   380 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   382 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   383 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   384 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   387 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
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Simulation:   390 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   391 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   392 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   395 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   397 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   398 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   400 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   401 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   402 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   405 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   406 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   407 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   408 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   409 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   411 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   413 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
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Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   414 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   415 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   416 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   417 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   420 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   422 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   423 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       4
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Simulation:   424 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   425 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-VP2-CH   , Pure probability sample was greater than 1
Simulation:   427 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   428 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   429 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   431 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   434 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   435 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
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Simulation:   436 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   437 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   439 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   442 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   443 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   444 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Simulation:   445 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   446 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   449 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   450 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   451 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   452 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   453 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       4
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   455 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   457 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   461 ---
```

```
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   462 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV5EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   466 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   467 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   468 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   469 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Simulation:   470 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Simulation:   471 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   472 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV25-DH  , Pure probability sample was greater than 1
Simulation:   473 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   474 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV22-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   475 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       4
Event : 2-3341-MV8EPO-DH, Pure probability sample was greater than 1
Simulation:   476 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   479 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   486 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Simulation:   487 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV1EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
```

```
Simulation:   488 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Simulation:   489 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV3EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV6EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   491 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       6
Event : 2-3341-MV2EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   492 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   493 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Event : 2-3341-MV21-DH  , Pure probability sample was greater than 1
Simulation:   494 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       3
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Event : 2-3341-MV7EPO-DH, Pure probability sample was greater than 1
Simulation:   495 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       2
Event : 2-3341-MV4EPO-DH, Pure probability sample was greater than 1
Simulation:   498 ---
Number of pure probability samples which were greater than 1 ...
and were discarded :       1
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5.14 File : TAPE13

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